HOUSE & GARDEN

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Spring Gardening Guide

March 1930

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TEXACO IS SOLD IN 46 FOREIGN COUNTRIES

and in Singapore

you can buy the same TEXACO sold in your own home town

From the ports of the fabled Orient to the land of the midnight sun, in 'most every corner of the civilized globe, you will find the familiar Texaco Red Star with the Green T!

And there you will find the same pure Texaco Golden Motor Oil that is sold from coast to coast—in each of our forty-eight States! For neither clime nor distance halts the progress of the Texaco Star!

In Singapore on the equator, where an engine's heat is magnified by a sun like polished brass, motorists depend on Texaco Golden Motor Oil!

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Let a Texaco man demonstrate to you the free-flowing quality of Texaco at low temperatures.

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THE TEXAS COMPANY

Refiners of a complete line of Texaco Petroleum Products, including Gasoline, Motor Oil, Industrial Lubricants, Railroad and Marine Lubricants, Farm Lubricants, Road Asphalts and Asphalt Roofing.

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JEWELERS SILVERSMITHS STATIONERS

JEWELRY AND SILVERWARE

Dependable Value
For Almost a Century

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FIFTH AVENUE & 37TH STREET
NEW YORK

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HOUSE & GARDEN
March, 1930

House & Garden is published monthly by The Condé Nast Publications, Inc., Boston Post Road, Greenwich, Conn. Executive and Publishing offices, Greenwich, Conn. Entered as second class matter at the Post Office at Greenwich, Conn., under the Act of March 3rd, 1879. Editorial offices, Graybar Building, Lexington at 43rd, New York, N. Y. Subscriptions for the United States, Canada, Porto Rico, Hawaii and the Philippines, $4.00 a year in advance.

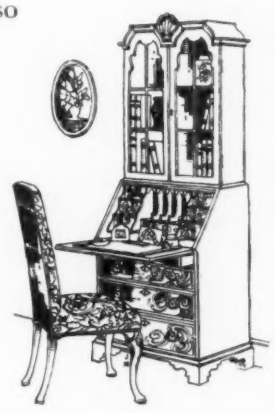
Vol. No. 57 No. 3

© 1930, Kittinger Company

A Colonial Group for Present-Day American Homes

A FAMOUS Sheraton Sofa in the Metropolitan Museum is the inspiration for this inviting love seat, grouped with a Colonial Wing Chair of Sheraton design ... both in solid Mahogany, hair-filled to give lasting comfort ... a corner cupboard in Walnut showing Pilgrim influence, hand antiqued and colorfully decorated ... the small drop-leaf table also in Walnut suggests countless uses.

Many similar groups of Kittinger Distinctive Furniture present new opportunities for complete new furnishings or gradual replacement of furniture that is long past its service and value. There are over six hundred authentic Period designs by master craftsmen working advantageously with modern equipment ... using selected Cabinetwoods ... solid Walnut, Mahogany, Oak and Maple ... and upholstery materials not available to earlier craftsmen in small, candle-lit shops. The result is a new value in an unprecedented volume at prices lower than expected for such exquisite furniture.



For your selection, visit if possible one of our larger showrooms or write for the names of Kittinger dealers in your locality who can help you with a selection from our catalog whether or not they carry showroom stock.

Ask for booklets showing a few pieces and suites for every room in the home ... for apartment, club, hotel, and executive office. Address Kittinger Company, Dept. 101, North Elmwood Ave., Buffalo, N.Y.

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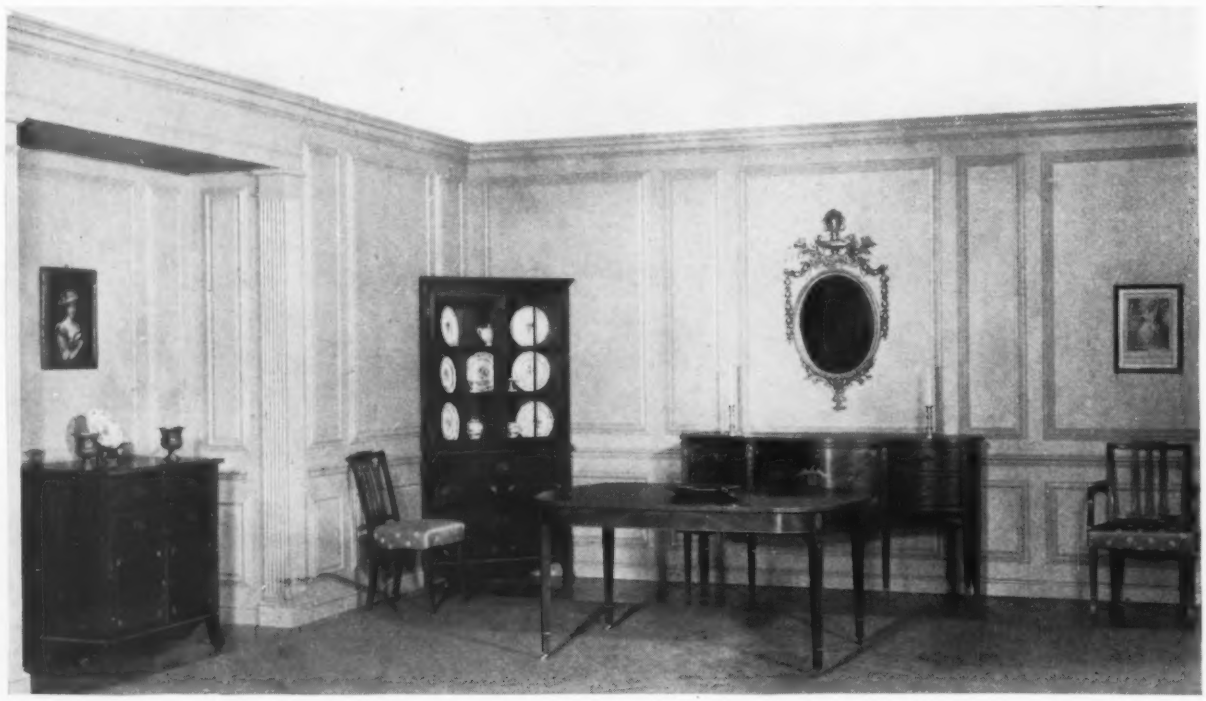
KITTINGER

Distinctive Furniture

KENSINGTON FURNITURE

AWARDED GOLD MEDAL OF HONOR IN NATIVE INDUSTRIAL ART
39TH ANNUAL EXHIBITION ARCHITECTURAL LEAGUE OF NEW YORK



AMERICAN HEPPLEWHITE INLAID MAHOGANY SIDEBOARD AND TABLE WITH SHERATON CORNER-CUPBOARD, COMMODE AND CHAIRS, *by* KENSINGTON

The Influence of Mahogany in the Development of Furniture Design

THE introduction of mahogany into general use as a cabinet wood was a very considerable influence in the extraordinary advance in the art of cabinet-making which took place in England in the last half of the 18th Century. The close grain, beautiful figure and color of the wood were an inspiration to the designer, and invited and certainly rewarded the highest skill of the cabinet-maker, carver and finisher.

The remarkable strength and stability of this finest of all cabinet-woods enabled a lightening and shaping of the structural parts so that the furniture of Hepplewhite, Sheraton and their contemporaries attained a delicacy and grace hitherto unknown and still unsurpassed.

The examples illustrated are in every detail characteristic of this delightful style. They are made by hand throughout of beautifully figured mahogany and are finished in the rich warm tones of old wood to withstand both heat and dampness, retaining all of the old-world charm of originals while for practical considerations decidedly preferable to antiques.

Kensington Furniture is made in all the decorative styles appropriate for American homes.

The purchase of Kensington Furniture may be arranged through your decorator or furniture dealer

KENSINGTON MFG COMPANY
MANUFACTURERS
DECORATIVE FURNITURE
NEW YORK

Write for illustrated Booklet H and pamphlet, "How Kensington Furniture May Be Purchased"

SHOWROOMS, 41 WEST 45TH STREET, SIXTH FLOOR

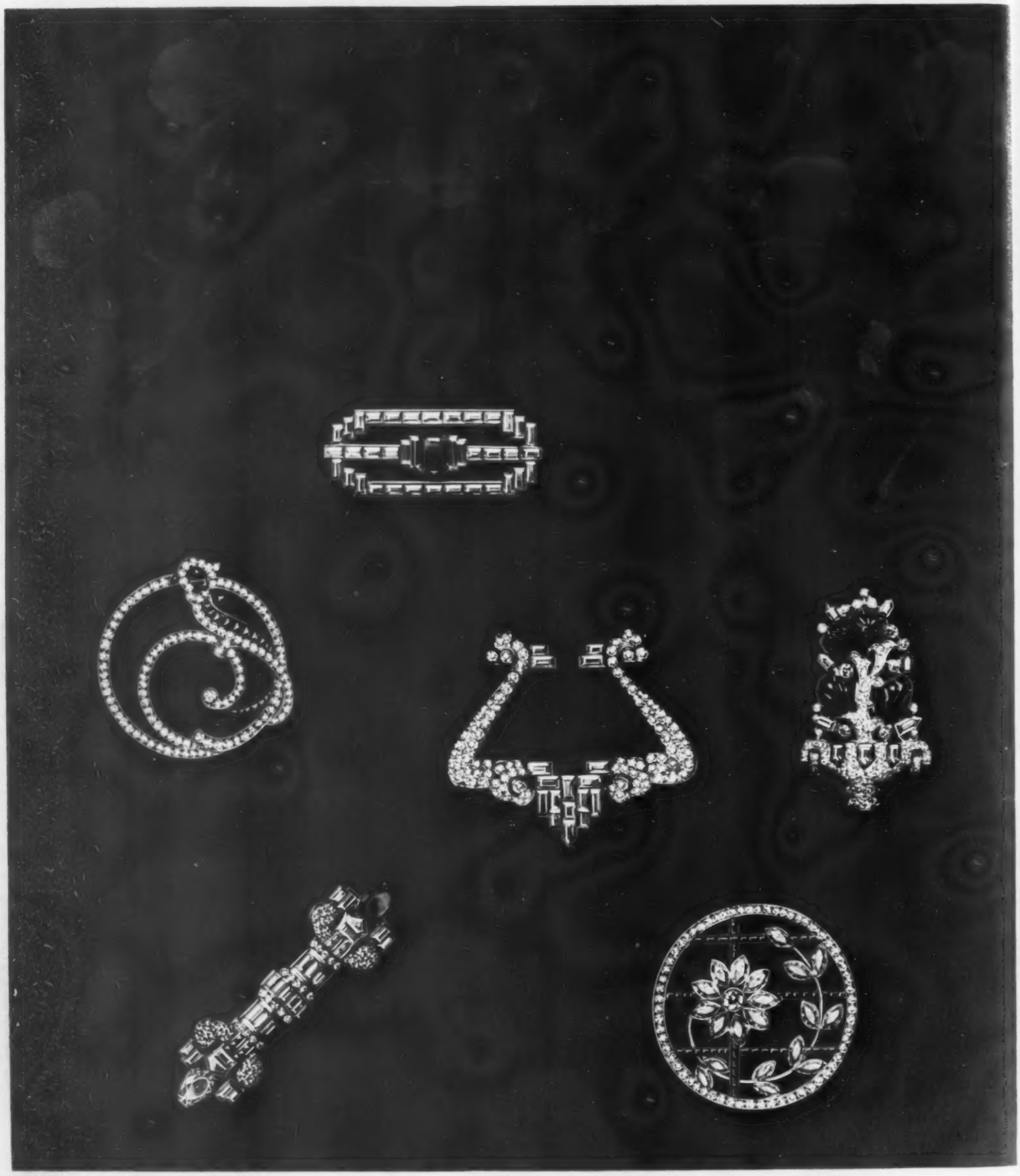
B. ALTMAN & CO. FIFTH AVENUE, NEW YORK

TERRACES

In the Sky

— are given to the luxurious ease afforded by rattan and reed furniture — a feature Altman presents in individual treatments

FURNITURE
SEVENTH and EIGHTH FLOORS



New brooch creations — precious stones combined with rare artistry — remarkable effects indicative of the advanced ideas of the house

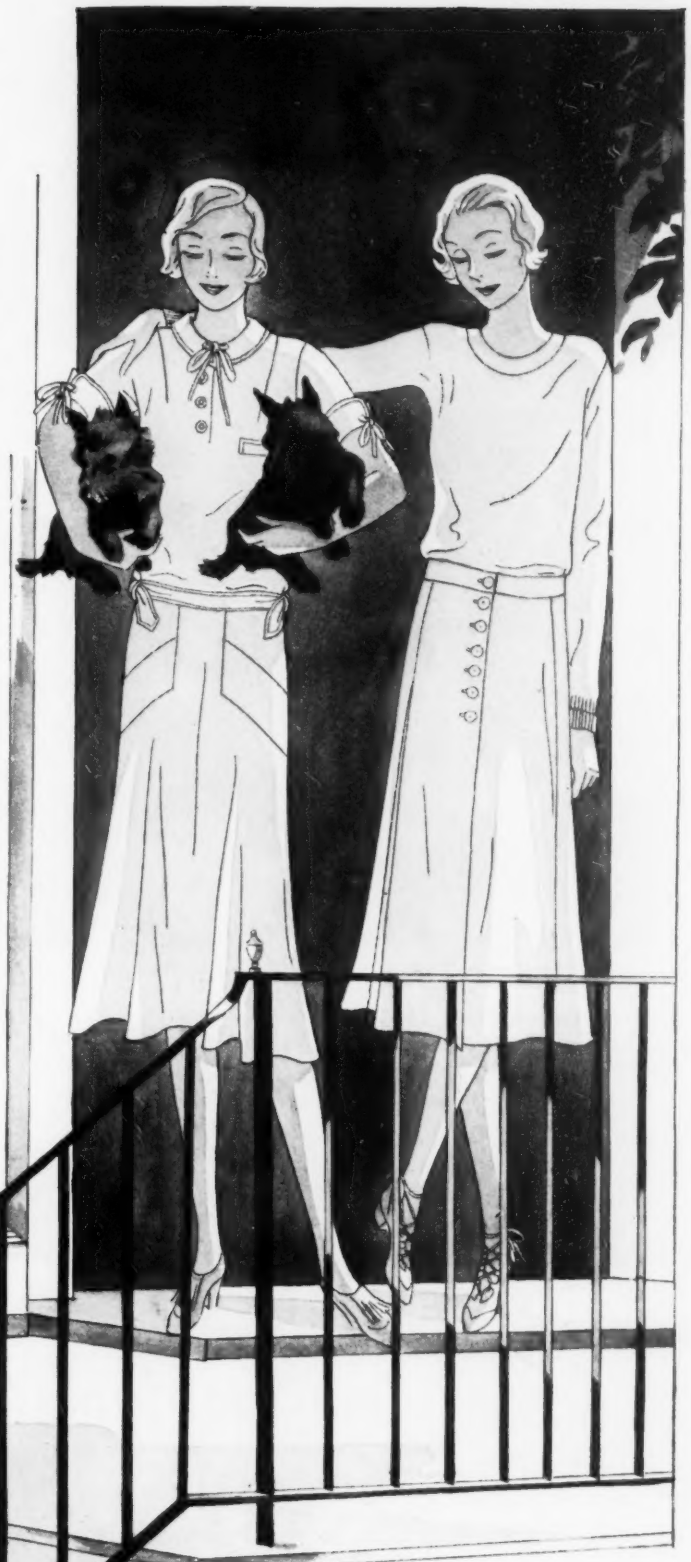
J. E. CALDWELL & CO.

PHILADELPHIA

For people who live where houses have gardens . . .

COMFORTABLE COUNTRY CLOTHES

A short-sleeved jersey blouse which fastens firmly above the hips and has an ample inverted pleat down the back, $8.94. With it, a jersey skirt with effective stitching and flare, $6.94. The other young person on the right is comfortably and smartly dressed for golf in a wrap-around flannel skirt, $8.94, and a simple Mackeggie sweater of bright wool, $8.94.



OUTDOOR LIFE means tweeds, of course, like this well-cut coat of imported Harris tweed. Its nonchalant correctness is vastly becoming. In practical brown and gray, $48.75

MACY'S

34th Street and Broadway, New York City

Also on sale at our affiliated stores
DAVISON-PAXON—ATLANTA, GEORGIA
and LASALLE & KOCH — TOLEDO, OHIO

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The Modernist House was designed by Francis Keally, Architect.

The "Modernist House" Selects Celanese Fabrics

To Complement Its Decorative Plan

In designing the interiors of House & Garden's Modernist House, Miss Margaret McElroy, in the February issue of House & Garden, suggests Celanese glass curtains for the combined dining and living room. Both in color and texture, Celanese decorative fabrics are in the spirit of modern design. They have, too, those essentially practical qualities characteristic of modernism. Their lovely colors are unusually fast. They do not soil readily, shedding dust and dirt, and they cleanse easily. They do not shrink or stretch, and dampness or rain does not harm them. They drape gracefully into lovely folds and hang true without weights.

Celanese Fabrics are available in such important decorative weaves as Voiles, Ninons, Jacquard Ninons, Permanent Moire, Mirrocel, Taffetas and Satins.

CELANESE *Fabrics*

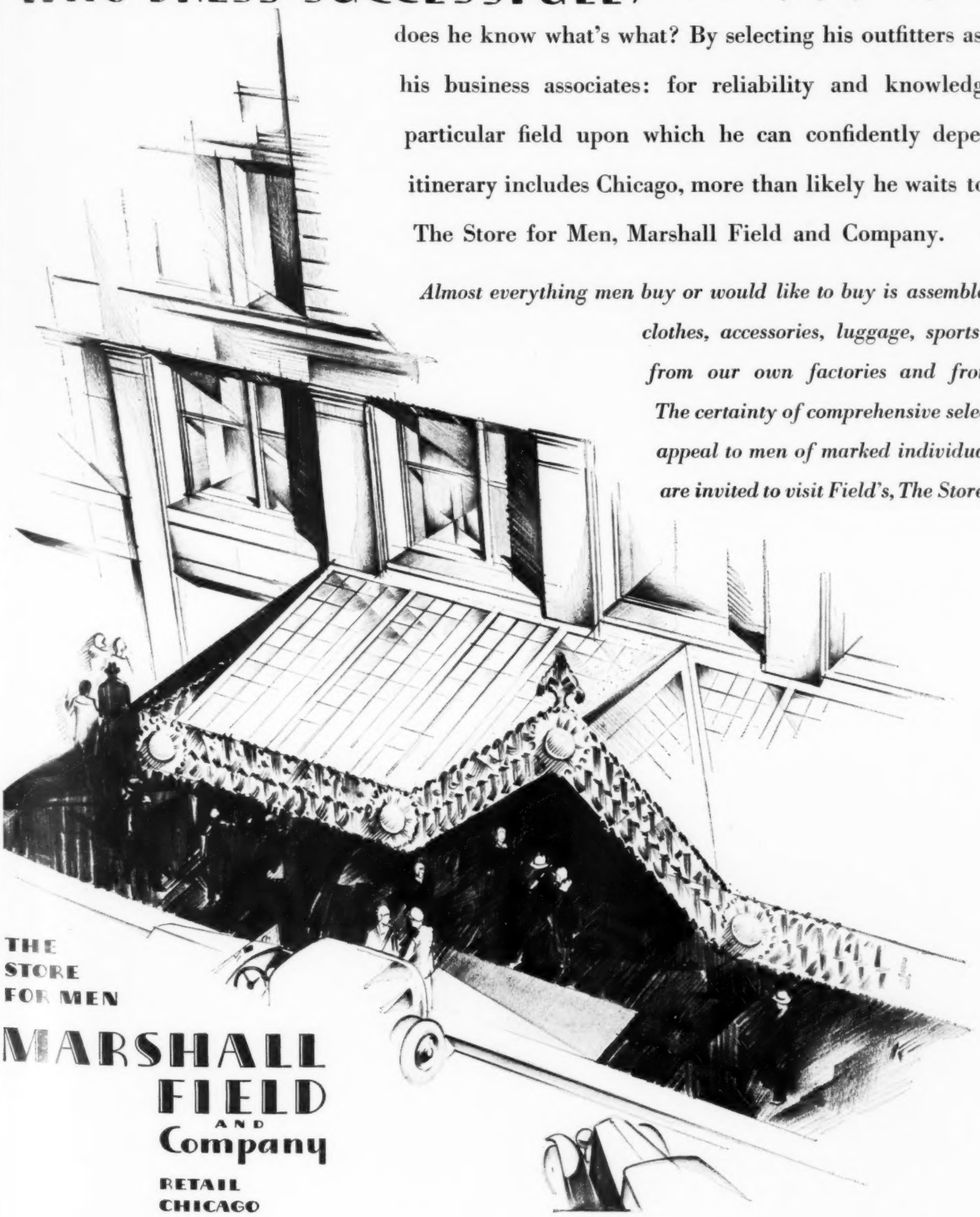
TRADE MARK REG. U. S. PAT. OFF.

Celanese yarns, fabrics and articles are made of synthetic products manufactured exclusively by the Celanese Corporation of America, 180 Madison Avenue, New York City

The STORE FOR MEN WHO DRESS SUCCESSFULLY

You have met him. Busiest man in town. Successful, extremely . . . and looks the part. His clothes, progressive as his mind, keep up with the continuous, small, important changes in fashion. Can't imagine him studying style magazines. Yet how does he know what's what? By selecting his outfitters as he chooses his business associates: for reliability and knowledge in their particular field upon which he can confidently depend. If his itinerary includes Chicago, more than likely he waits to buy from The Store for Men, Marshall Field and Company. , , ,

Almost everything men buy or would like to buy is assembled here . . . clothes, accessories, luggage, sports gear . . . from our own factories and from abroad. The certainty of comprehensive selections will appeal to men of marked individuality. You are invited to visit Field's, The Store for Men.



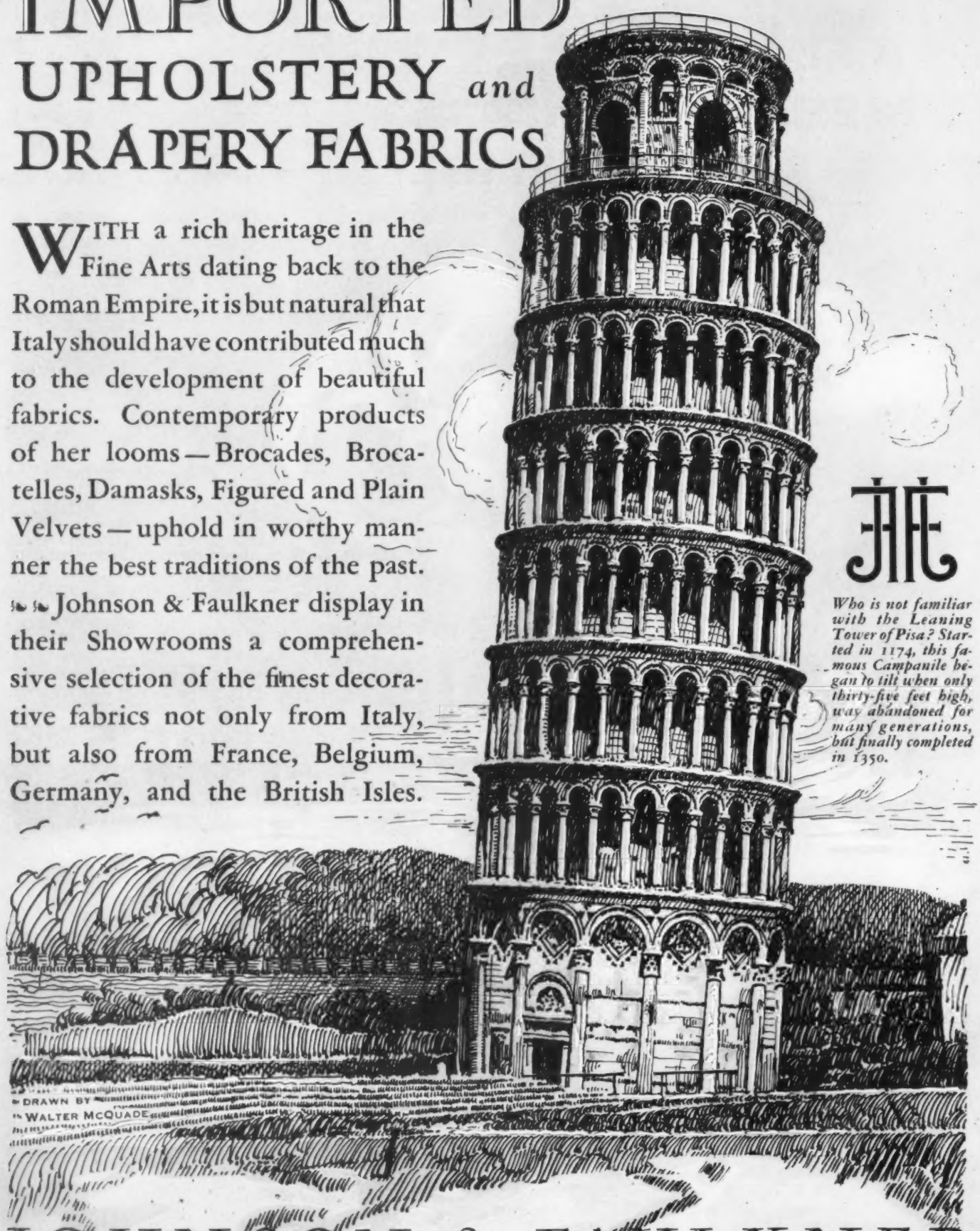
THE STORE FOR MEN

MARSHALL FIELD AND Company

RETAIL CHICAGO

IMPORTED UPHOLSTERY *and* DRAPERY FABRICS

WITH a rich heritage in the Fine Arts dating back to the Roman Empire, it is but natural that Italy should have contributed much to the development of beautiful fabrics. Contemporary products of her looms — Brocades, Brocatelles, Damasks, Figured and Plain Velvets — uphold in worthy manner the best traditions of the past. Johnson & Faulkner display in their Showrooms a comprehensive selection of the finest decorative fabrics not only from Italy, but also from France, Belgium, Germany, and the British Isles.



DRAWN BY WALTER McQUADE

Who is not familiar with the Leaning Tower of Pisa? Started in 1174, this famous Campanile began to tilt when only thirty-five feet high, way abandoned for many generations, but finally completed in 1350.

JOHNSON & FAULKNER

Established 1823 — NORTH UNION SQUARE • NEW YORK — *Wholesale Only*

BOSTON 420 Boylston Street · PHILADELPHIA 1528 Walnut Street · CHICAGO 1512 Heyworth Building · PARIS 50 Faubourg Poissonniere · SAN FRANCISCO 442 Post Street · LOS ANGELES 816 South Figueroa Street

DYNAMIQUE CREATIONS

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MODERNISTS IN WOOD • ALSO CREATORS OF FINE PERIOD FURNITURE . . . .

JOHNSON FURNITURE CO.

JOHNSON-HANDLEY-JOHNSON CO.

GRAND RAPIDS, MICH.

MADE FOR MODERN PEOPLE

DYNAMIQUE is made for modern people, living under modern conditions, demanding as much comfort as beauty from their furniture.

So whether you live at the tipmost top of a heaven-bent skyscraper or whether you live in a rambling spacious house close to the earth; or a little house; or a single room . . . here is furniture designed precisely for your needs and taste. : : : The DYNAMIQUE suite illustrated, of English walnut and mahogany inlaid, may be used in either breakfast room or apartment dining room. It is as slim and shapely as a bit of Sheraton . . . as modern as tomorrow . . . as smart and colorful as every piece in the DYNAMIQUE collection.

JOHNSON FURNITURE COMPANY

JOHNSON-HANDLEY-JOHNSON CO. • GRAND RAPIDS, MICH.

Enjoy the fellowship of fine furniture

ONE cannot associate daily with furniture of sincere quality and exquisite artistry without gaining a deep satisfaction completely aside from physical comfort or decorative charm. It is really a *fellowship* that only those who love and live with things of fine quality can appreciate. ¶ The Valentine-Seaver pieces portrayed here are of this type. The Valuxsea down-cushioned sofa faithfully depicts 18th Century English design. May be used with either Colonial or Early American groupings. It is tailored in a rich mulberry and gold damask. The barrel wing chair is strictly Early American finished in beautiful damask with the patented Valuxsea down cushioning. Tables by The Furniture Shops, Grand Rapids. ¶ A trip to your nearest Valentine-Seaver display will not only prove artistically enjoyable, but you will be surprised to find our prices so moderate. Should you not quickly locate our dealer, please write us. His name and address and a copy of our book "Modern Furniture for the Living Room," will be forwarded immediately.

VALENTINE SEAVER

DIVISION OF KROEHLER MFG. COMPANY

Largest manufacturers of upholstered Living Room Furniture in the world
4127 George St., Chicago—New York Display Room—1 Park Avenue, New York City

SALUBRA..

Salubra wall covering in Boy's Room in the home of Mr. and Mrs. Richard F. Hoyt, New York City, Miss Shotter Inc., New York City, Decorator.

Salubra
REG. U. S. PAT. OFF.
WON'T FADE WILL WASH

The background of beautiful Interiors . . .

What is it that lends charm to a room? What provides the right background for lovely interiors? Certainly the wall covering is an important factor! For years, Salubra wall coverings have graced the finest homes abroad. They are now available in this country—and are winning approbation everywhere. Salubra not only comes in thousands of beautiful designs—created by leading European artists—but in the most delicate of soft, pastel shades—and all of them *fadeless!*

How wonderful to be able to work out your ideas in just the right patterns, tones, and colors, and know that your walls will remain as fresh —and lovely as long as you want them to!

All this sounds like promising a great deal, but the promise is in the performance. For Salubra is really "paint-by-the-roll"—fine oil colors applied on strong, waterproof, parchment paper—equivalent to six coats of oil paint.

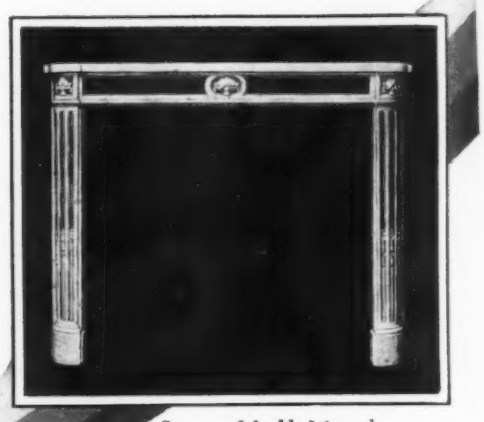
Sunlight, climate, dust, dirt, dampness, finger marks, and grease spots have no terrors for Salubra. This non-porous wall covering is sanitary and can be *scrubbed with soap and water*—washed as easily as your china.

Leading decorators can tell you about Salubra. Or, write us direct. FREDERIC BLANK & COMPANY, New York Central Building, 230 Park Avenue, New York, or Marshall Field Annex, 24 North Wabash Avenue, Chicago.

REGAL BEAUTY *in these Period French*

Such periods as Louis XIV, Louis XV, Louis XVI or Empire are not merely designations of time; they also correspond to a tangible reality; the influence of King and court upon the evolution of these styles. Few, of course, have the time to delve into such matters for themselves, but when it comes to the fireplace, which so often is the focal motif for a period interior, the mantel together with its proper accessories, must be authentic and beyond criticism.

For generations, architects, interior decorators and lovers of the home beautiful, have looked to this century old House as an authority on period mantels. They know that the inherited knowledge and experience of more than one hundred years is back of every transaction.



Statuary Marble Mantel with Turquin Inlay. Directoire Period. Price $500

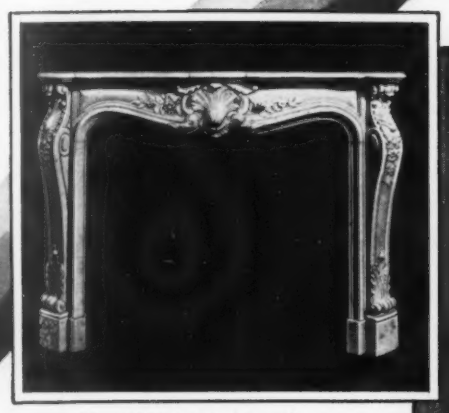
No. 53DS Marble Mantel of the Regency Period Price $450

No. 25 Marble Mantel of the Louis XVI Period Price $250

WM. H.

OVER A HUNDRED YEARS OF SERVICE TO THE

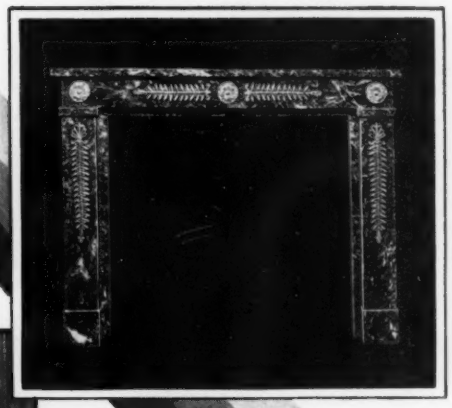
Mantels



No. 98H Marble Mantel
of the Louis XV Period
Price $650

Louis XIV Mantel of French Marble with mounts and ornaments of gilt bronze, $2650. Louis XIV Andirons of gold and bronze, $750 Iron Placque with Coat of Arms of France, $75.

Vert de Mer Marble Mantel
with Bronze Mounting
Empire Period... Price $485



The small French Mantel is a happy contribution to present day trends in architecture and interior decoration, for being low it lends an illusion of height even to the modern low ceiling. This establishment offers the small French marble mantel in a variety of beautifully carved Period designs. A few of them are illustrated on these pages. We hope you will come to see them at either our New York or Chicago galleries.

The correct accessories — period andirons, grates, scuttles, firesets, firebacks, fenders, benches, bellows, brooms, warming pans and so forth are all here for your selection, too. How important that these details of fireplace fittings be as correct as the mantel itself! If you cannot visit us in person, may we send you a booklet describing the activities of this House? Address us at New York, Department HG.

H. JACKSON COMPANY

2 West 47th Street, New York

318 North Michigan Avenue, Chicago

Over 5 Years Ahead In Straight Eight Leadership

AUBURN

has had over 5 years' more experience

has had over 5 years' engineering leadership

has had over 5 years of perfecting

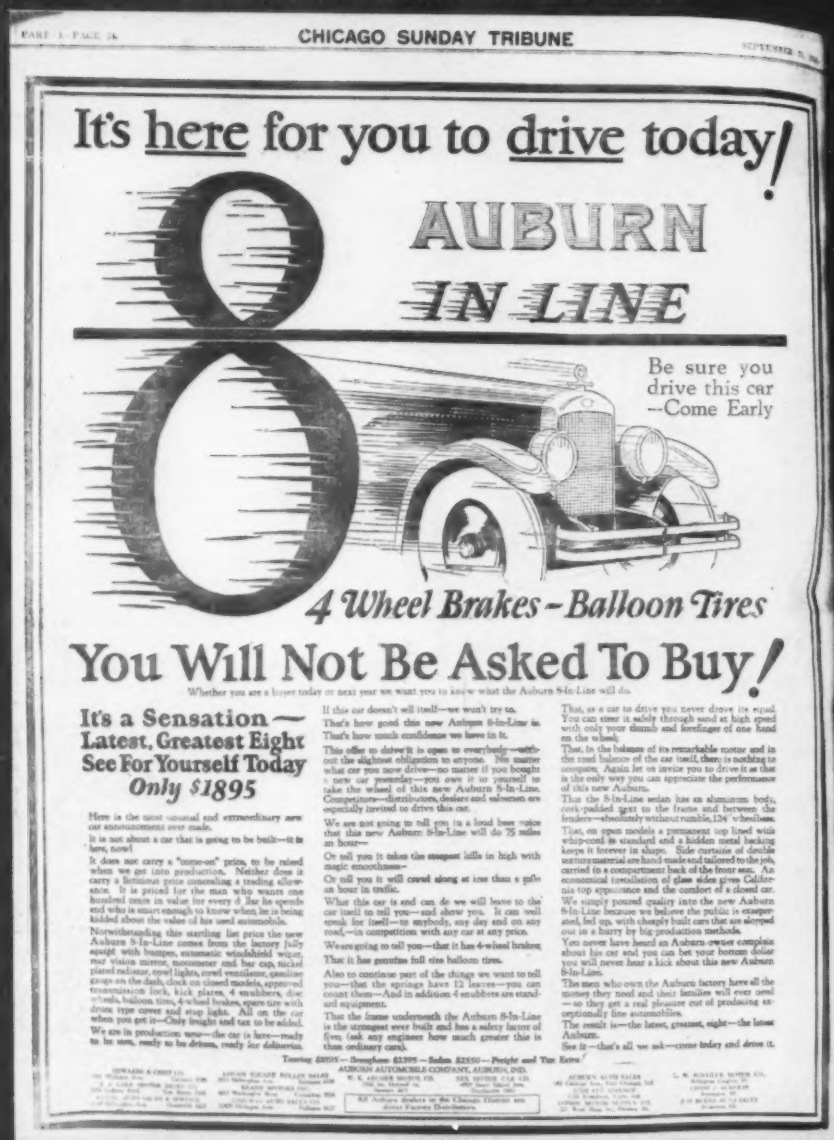
has had over 5 years of production economies

has had over 5 years in which to enlarge factories

has had over 5 years of Lycoming Straight Eight Motor building

and has over 40,000 Straight Eight owners

This Straight Eight announcement ran in the Chicago Sunday Tribune, September 21st, 1924



PART 1—PAGE 24 CHICAGO SUNDAY TRIBUNE SEPTEMBER 21, 1924

It's here for you to drive today!

8 AUBURN IN LINE

Be sure you drive this car —Come Early

4 Wheel Brakes – Balloon Tires

You Will Not Be Asked To Buy!

Whether you are a buyer today or next year we want you to know what the Auburn 8-in-Line will do.

It's a Sensation— Latest, Greatest Eight See For Yourself Today Only $1895

Here is the most unusual and extraordinary new car announcement ever made.

It is not about a car that is going to be built—it is here, now!

It does not carry a "come-on" price, to be raised when we get into production. Neither does it carry a factitious price concealing a trading allowance. It is priced for the man who wants one hundred cents in value for every dollar he spends and who is smart enough to know when he is being kidded about the value of his used automobile.

Notwithstanding this startling list price the new Auburn 8-in-Line comes from the factory fully equipt with bumper, automatic windshield wiper, rear vision mirror, motometer and bar cap, nickel plated radiator, cowl lights, cowl ventilator, gasoline gauge on the dash, clock on closed models, approved transmission lock, kick plates, 4 snubbers, disc wheels, balloon tires, 4-wheel brakes, spare tire with drum type cover and stop light. All on the car when you get it—Only freight and tax to be added.

We are in production now—the car is here—ready to be seen, ready to be driven, ready for delivering.

If this car doesn't sell itself—we won't try to.

That's how good this new Auburn 8-in-Line is.

That's how much confidence we have in it.

This offer to drive it is open to everybody—without the slightest obligation to anyone. No matter what car you now drive—no matter if you bought a new car yesterday—you owe it to yourself to take the wheel of this new Auburn 8-in-Line. Competitors—distributors, dealers and salesmen are especially invited to drive this car.

We are not going to tell you in a loud boss voice that this new Auburn 8-in-Line will do 75 miles an hour—

Or tell you it takes the steepest hills in high with magic smoothness—

Or tell you it will corner along at less than a mile an hour in traffic.

What this car is and can do we will leave to the car itself to tell you—and show you. It can well speak for itself—to anybody, any day and on any road,—in competition with any car at any price.

We are going to tell you—that it has 4-wheel brakes.

That it has genuine full size balloon tires.

Also to continue part of the things we want to tell you—that the springs have 12 leaves—you can count them—And in addition 4 snubbers are standard equipment.

That the frame underneath the Auburn 8-In-Line is the strongest ever built and has a safety factor of five, (ask any engineer how much greater this is than ordinary cars).

That, as a car to drive you never drove its equal. You can steer it safely through sand at high speed with only your thumb and forefinger of one hand on the wheel.

That, in the balance of its remarkable motor and in the road balance of the car itself, there is nothing to compare. Again let us invite you to drive it as that is the only way you can appreciate the performance of this new Auburn.

That the 8-In-Line sedan has an aluminum body, cork-padded seat to the frame and between the fenders—absolutely without rumble, 124" wheelbase.

That, on open models a permanent top lined with whip-cord is standard and a hidden metal backing keeps it forever in shape. Side curtains of double service material are hand-made and tailored to the job, carried in a compartment back of the front seat. An economical installation of glass sides gives California top appearance and the comfort of a closed car.

We simply poured quality into the new Auburn 8-In-Line because we believe the public is exasperated, fed up, with cheaply built cars that are slopped out in a hurry by big production methods.

You never have heard an Auburn owner complain about his car and you can bet your bottom dollar you will never hear a kick about this new Auburn 8-In-Line.

The men who own the Auburn factory have all the money they need and their families will ever need—so they get a real pleasure out of producing exceptionally fine automobiles.

The result is—the latest, greatest, eight—the latest Auburn.

See it—that's all we ask—come today and drive it.

Touring $1895 — Roadster $1995 — Sedan $2150 — Freight and Tax Extra

AUBURN AUTOMOBILE COMPANY, AUBURN, IND.

W. K. ARCHER MOTOR CO. SEE MOTOR CAR CO. L. W. ROSELLE MOTOR CO.

82 Auburn dealers in the Chicago District are direct Factory Distributors.

Therefore it is natural that Auburn is able to build today a BETTER *Straight Eight for* LESS

100 Horsepower
125" Wheelbase
$1195

Double armor-plate frames.

Bijur chassis lubrication.

Four-wheel hydraulic internal expanding brakes.

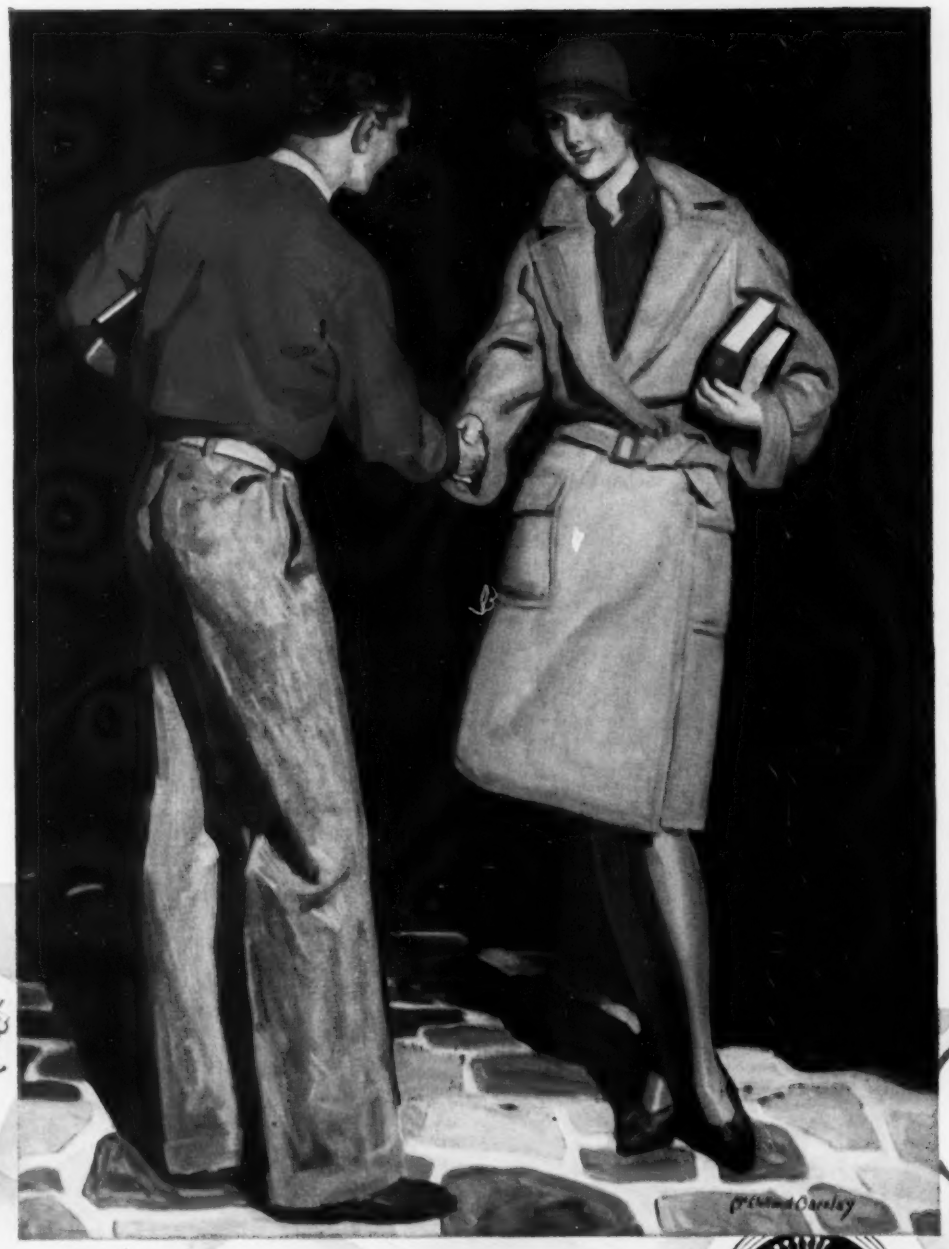
Hydraulic shock absorbers.

Brewster non-glare windshield.

125 Horsepower
130" Wheelbase
$1495

6-85 Sedan $1095; 6-85 Sport Sedan $995; 6-85 Cabriolet $1095; 8-95 Sedan $1295; 8-95 Sport Sedan $1195; 8-95 Phaeton Sedan $1395; 8-95 Cabriolet $1295; 125 Sedan $1595; 125 Sport Sedan $1495; 125 Phaeton Sedan $1695; 125 Cabriolet $1595. Prices f. o. b. Auburn or Connersville, Ind. AUBURN AUTOMOBILE COMPANY, AUBURN, INDIANA. *Equipment other than standard, extra.*

Airmail postage has been reduced to 5 cents for the first ounce and 10 cents for each additional ounce. Use Airmail daily for quicker communication. The development of aviation is vital to American progress



GENERAL MOTORS

BODY by FISHER

BUICK

OLDSMOBILE

OAKLAND

VIKING

LA SALLE

CADILLAC

PONTIAC

MARQUETTE

CHEVROLET

THE high repute enjoyed by Fisher Body can only be maintained by unmistakably greater value and quality. Over twenty years ago, Fisher deliberately adopted a policy of building surpassing quality and greater value into its bodies. That policy, rigidly adhered to year after year, has inevitably made Fisher Body the standard of body craftsmanship and value in every motor car price field. In point of beauty, comfort, convenience, durability, safety and excellent service, Fisher Bodies make powerful appeal to every discriminating motor car buyer. Naturally, too, they give added value and more pronounced leadership to all General Motors cars, which are the *only* cars offering to the motor car buyer the important advantages of Body by Fisher.

The LEADING MINERAL WATER

PALE DRY GINGER ALE

THE fair, fresh fragrance of returning spring . . . new worlds to attract youthful conquerors . . . gay camaraderie of the open road to everywhere . . . highways dotted with quaint inns and pleasant hostelries . . . and, of course, White Rock and White Rock Pale Dry, twin toasts to Youth and Springtide . . . bubbling, sparkling thirst quenchers for those carefree adventurers who make the whole spring-glorious world their playground.

White Rock

Bottled at the Springs, Waukesha, Wis.

A bridge set, in blue glazed leather, which contains four numbers, two gold pencils, and cards and score pads for two tables. The set is also available in many other colors.

A bridge set, in glazed green calf, with white jade insert and gold-tooled borders. The set contains cards and score pads for two tables, and two gold pencils.

YOUR CARD TABLE SHOULD BE AS PERFECTLY APPOINTED AS YOUR DINNER TABLE

A case, in tan cowhide, which contains cards, chips and other accessories for poker. The case is also available in brown, black and a variety of colors.

CONTRACT . . . poker . . . auction . . . it doesn't matter what you play. But when civilized people sit down at cards together, certain civilized amenities should be observed. The table . . . the cards . . . the chips or scoring pads . . . all should be marked with correct taste and restrained elegance. And conspicuous among these appointments, cases and containers of fine leather lend an added note of quiet luxury.

People accustomed to the better things of life have found the selection of these cases relatively a simple matter. They govern their choice by the presence of a tiny golden keystone R. That imprint, placed upon every article of fine leather manufactured by C. F. Rumpp & Sons, Inc., of Philadelphia, is an infallible method of knowing which are the best gifts . . . the mark of a noble tradition.

Eighty years ago, the founder of this organization formulated policies which were to direct the later development of the business. Craftsmanship would be of a high order. The finest materials, and only the finest, would be employed. And not until each article was as nearly perfect as consummate skill and talent could make it, would it be counted ready for use. . . . Deviations from these high standards have never been tolerated.

TRADE R MARK

C. F. Rumpp & Sons, Inc., manufacture fine leather articles of every description, excepting luggage. They may be had at the better jewelers, department stores, stationers, and leather goods stores.

A bridge set, in glazed green calf, with white jade insert and gold-tooled borders. The set contains two packs of cards, a gold pencil and a score pad.

C. F. RUMPP & SONS, INC.

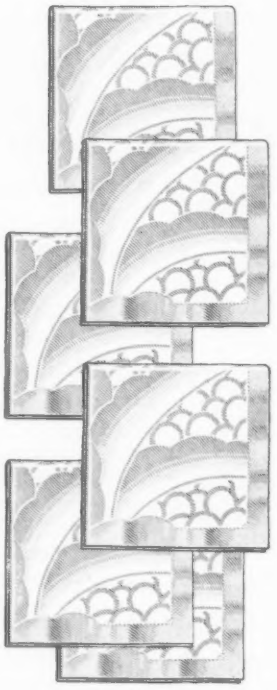
PHILADELPHIA AND NEW YORK

ESTABLISHED IN 1850

By Invitation Member

LINEN DAMASK WOVEN LOVELINESS *for the table*

AS long as there is hospitality in the world, Linen Damask will hold its time-honored place as the fitting consummation of the correctly appointed table. As long as the hostess calls upon flowers and candlelight and gleaming silver to enrich the ceremonial of dining, she will summon the suave luxury of Linen Damask to give it exquisite setting. And the taste which prefers Linen Damask favors only those loomings that most opulently reveal its individual beauty. Through centuries of hereditary craftsmanship, Ireland and Scotland have loomed superlative expressions of the ultimate loveliness of Linen Damask, in subtle harmonies of design that blend faultlessly with both formal and modern schemes of table decoration. In homes where taste is the inevitable standard of gracious living, table cloths and napkins of Irish or Scottish weave are essential.



In White, or Pastel Tints
Moderately Priced

"We Dine on Linen Damask", a charming booklet on correct table settings, will be sent you on receipt of ten cents to cover mailing cost. Address The Irish & Scottish Linen Damask Guild, 260 W. Broadway, New York.

The Spirit of Spring

Loomed in dull gold against a field of silvery white, this cloth of Linen Damask is an opulent expression of the Spirit of Spring...Against a symbolic pattern of budding things, gracefully curving iris leaves unfold to an effect of golden sunlight...The inner field is bordered with a formalized pattern of full-blown flowers...The cloth is suited equally to conservative and to more modern schemes of decoration ...It is only one of the many new creations from Irish and Scottish looms, now offered the hostess.

LOVELY LINEN
DAMASK TABLECLOTHS & NAPKINS
impressively correct

SEE THE NEW IRISH AND SCOTTISH WEAVES AT LEADING STORES

A ROOM is never smarter than its LAMPS

Eighty-six years ago there came into being the first Miller Lamps . . . the humble ancestors of the beautiful lamps made by this company today.

In thousands of homes Miller Lamps glow brightly . . . and these lamps, like the homes they enhance, are modern, decorative, smart, expressive of the era in which we live. True examples of the Miller artistry in lamp design are the new lamps on this page. Designed for modern homes they have a simple, classic beauty. Designed for modern uses, there are lamps for every nook and cranny . . . table lamps, floor lamps, bridge lamps. And every woman of taste will be surprised that she can choose such lamps at such moderate prices. For they are very inexpensive!

In addition to the three lamps shown here, there are five other designs in this new line which you will want to see now at your favorite dealer's. Ask for the display of Miller Lamps by name. Should your dealer not carry them, write us immediately for information.

THE MILLER COMPANY, MERIDEN, CONN.

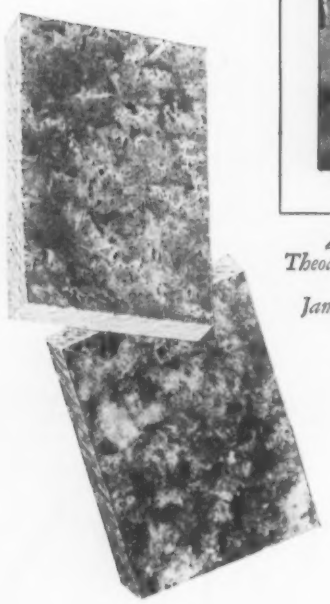
"Pioneers in Good Lighting Since 1844"

MILLER LAMPS

OF DISTINCTIVE CRAFTSMANSHIP

ZENITHERM

(For Walls and Floors)



Architects:
Theodore E. Visscher
and
James L. Burley

Zenitherm comes in 21 colors and can be sawed, nailedandworkedlikewood.

ZENITHERM

General Offices: KEARNY, N. J.

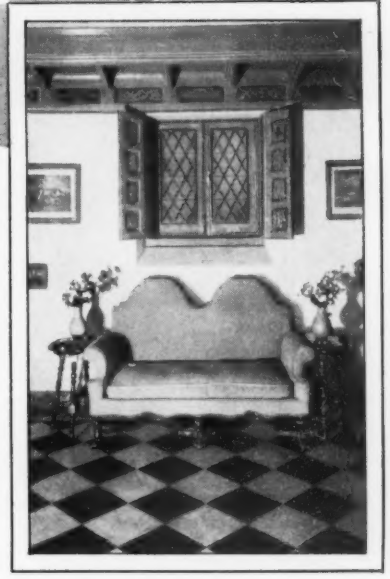
◆ PHILADELPHIA ◆ CHICAGO ◆ BOSTON

floors palatial

— the decorative basis of *fine* interiors

HERE in the Trophy Room in the home of Eugene G. Grace of Bethlehem, the Zenitherm *floor* is the basic element that both begins and completes the architectural motif of a *fine* interior. Even to the experienced eye, the first impression of the floor is that of some rare marble imported from Italian quarries. But while Zenitherm looks and wears like marble, it possesses none of the coldness of marble and has a pleasant resilience under foot. Zenitherm is going into notable homes everywhere. Being a fabricated material, it can be sawed, nailed and worked like wood. Any carpenter can install it. Selection may be made to harmonize with any color scheme. Zenitherm's twenty-one colors range from the most subdued to the most vivid. It may be had in conventional designs or in the irregular effects so much in demand in this modernistic age. Architects and interior decorators everywhere find that Zenitherm is one of the contributing factors that help do justice to their own conceptions. The leaders of these professions can tell you all about Zenitherm and the use they have put it to, not only in homes of distinction, but in prominent hotels, clubs, banks and public buildings throughout the country.

If you are building or remodeling, ask your architect about Zenitherm. He can show you complete color chart and full details in Sweet's catalog. Or, if you prefer, write to us direct.



COMPANY, Inc.

110 East 42nd Street, New York, N.Y.

SAN FRANCISCO ◆ DETROIT ◆

mrs laurance armour

the bedrooms of her new chicago home are equipped with luxurious beautyrest mattresses . . . . . .

• Walls covered with the same gay chintz that makes the draperies — deep, soft chairs also chintz-covered, a cozy fireplace, and the most gloriously restful-looking beds to sink into!

mrs laurance armour entertains extensively and is an exceptionally gracious hostess

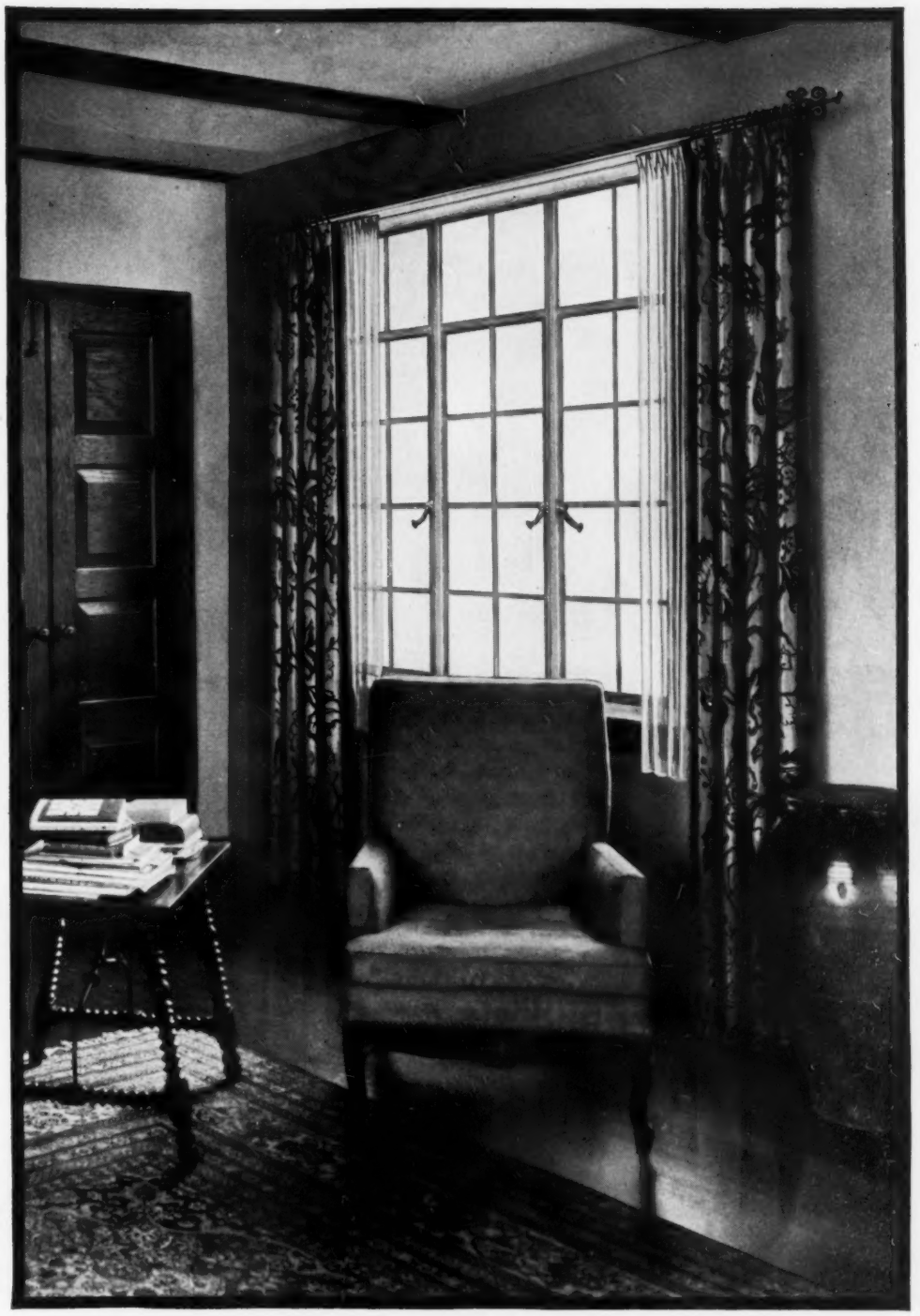
• Everything in Mrs. Armour's beautiful Lake Forest home speaks of gracious hospitality and a distinguished taste. Here are lovely gardens, large sunshiny rooms whose cool colorings and spacious arrangement breathe restfulness and charm—and ever more charm. • Significant of Mrs. Armour's thoughtfulness for personal comfort throughout her household, are the "really comfortable" Beautyrest Mattresses and Ace Box Springs with which the room above is equipped. • Mrs. Armour says, "I first slept on a Beautyrest Mattress on a ranch in Arizona, and I was delighted with it. Now I have them in my own home. I understand that the Simmons Company have brought out a second mattress of a similar type for a still more reasonable price. It seems to me quite extraordinary—most progressive." • The Beautyrest Mattress, $39.50; Ace Box Spring covered to match, $42.50; Ace Open Coil Spring, $19.75. The new Deepsleep Mattress at a popular price, $19.95; Deepsleep Box Spring, $27.50; Slumber King Spring, $12.00 . . . Beds $10.00 to $60.00. Simmons Company, New York, Chicago, Atlanta, San Francisco.

Copyright 1930, The Simmons Company

Simmons

beds • springs • mattresses and BERKEY & GAY furniture

MILITANT MARCH MEETS HIS MASTER IN LUPTON CASEMENTS

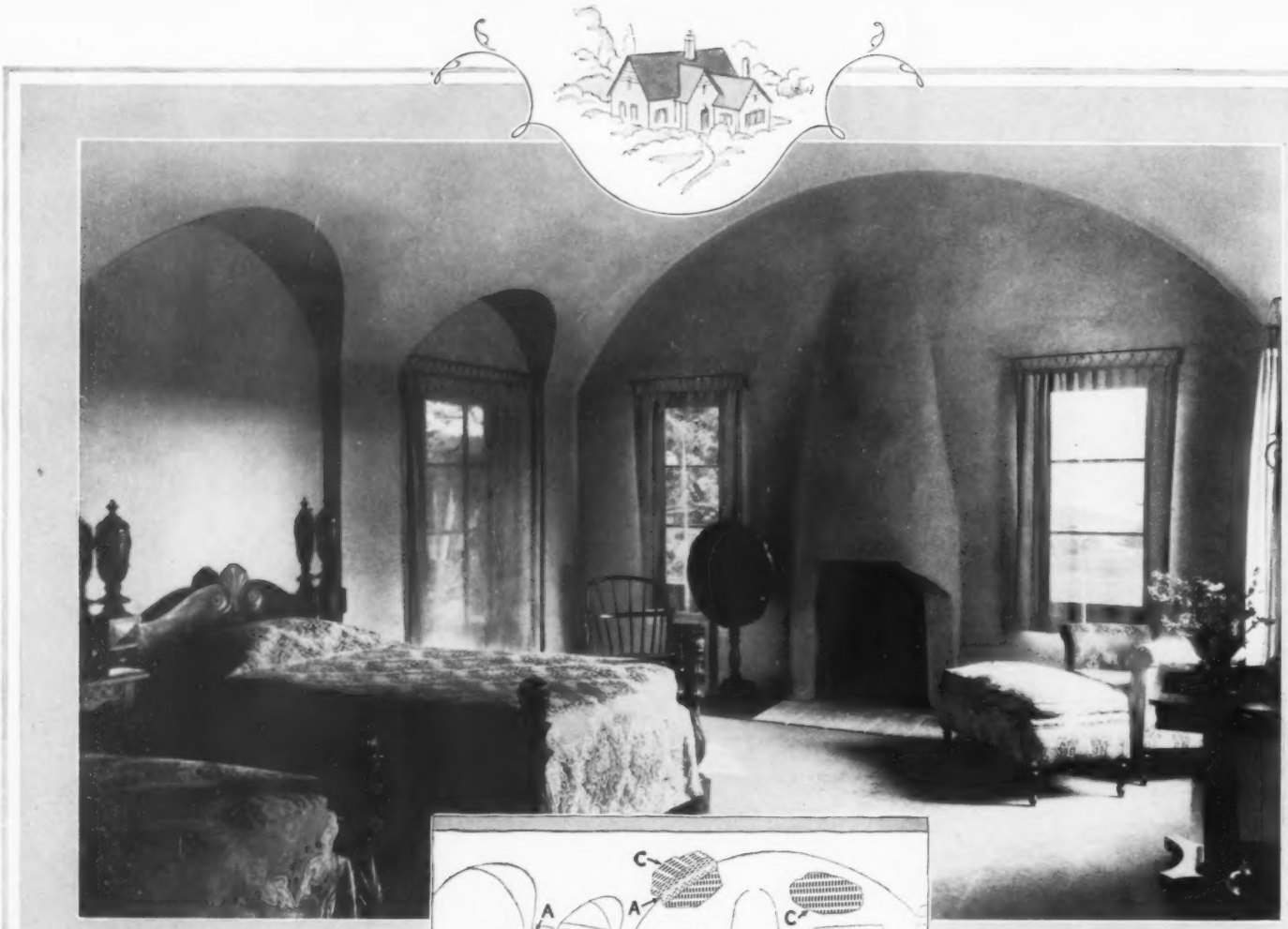


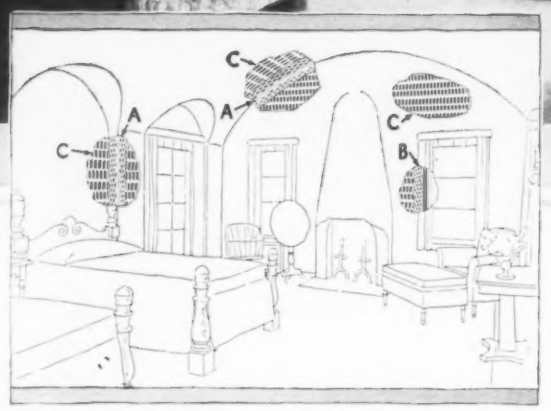
WITH a roar of blustering breezes, swashbuckling March swaggers on the stage. In his band of bullies are slush and damp, camp-followers that crowd his reign with treachery. No wonder that vital statistics show this moody month to be the most unhealthful of the twelve.

But when wind and window meet, Lupton Casements have the better of it. A double contact of steel on steel permits them to be shut snug against the penetrating breezes.

Steel has less bulk. So Lupton Casements are patterned in lines that approach the delicacy of an etching. Slender cross-pieces divide the gleaming panes of glass, bringing a feeling of lightness to each room. Yet Lupton Casements are thoroughly practical. Steel construction prevents warping or sticking in any weather. Both sides of the window can be washed from within the room. The special Lupton friction-hinge assures smooth, squeakless operation.

The varied advantages of Lupton Casements make them the logical windows of the future. Yet their cost, proportionately, is reasonable. May we send you interesting details? David Lupton's Sons Co., 2253 E. Allegheny Ave., Philadelphia, Pa.



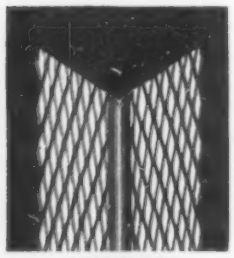


Very Particular People Will Insist Upon These Refinements of Construction

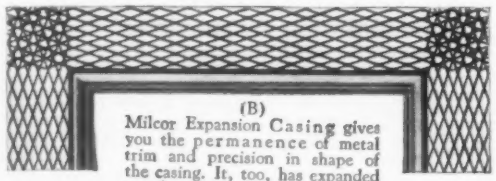
To strengthen and protect exposed plaster corners, architects specify metal corner bead. This is a very necessary provision . . . it adds definite value to any building. But not all metal corner beads possess the same strengthening and protecting value . . . *Milcor* "Expansion" Corner Bead is different from all others. It has patented expanded metal wings which fasten to the wall on each side of the corner. When the plaster is spread over these wings it is keyed firmly to the metal mesh right up to the nose of the corner bead. The solid metal corner bead successfully resists blows that would destroy an unprotected plaster corner... and the expanded metal wings reinforce the plaster in a most effective manner. Particular people insist upon this effective assurance of permanently beautiful plaster corners . . . There is a tendency to do away with wood casing that contrasts with the wall finish in the tone and color. Instead, the casing is of metal, finished in the same tone as the walls. The most modern method is to use a metal casing, made by *Milcor*, which takes the place of wood.

This *Milcor* Expansion Casing has expanded metal wings which are fastened firmly to the wall. Thus, when the plaster is applied over this metal mesh it is thoroughly reinforced by the wings . . . and the metal casing cannot possibly become separated from the plaster. Furthermore, the metal trim adds a touch of distinction and graceful beauty to the most attractive room . . . The beauty of plaster is truly more than "skin deep" . . . it depends, for its permanence, upon the base to which it is applied. The modern plaster base is *metal* lath . . . and here, too, *Milcor* offers a product that gives the most assurance of freedom from cracks and dust streaks. Stay-Rib Metal Lath, due to its patented design, is stiffer than other laths of equal weight . . . and enables the plasterer to do a first class job without waste of material and time . . . Very particular people know that it pays to insist upon these *Milcor* products in their homes. Folders giving complete descriptions of them are yours for the asking. Would you like to have them?

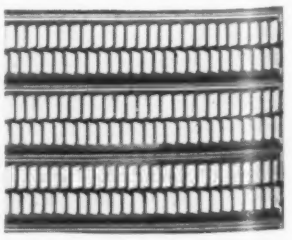
MILWAUKEE CORRUGATING CO., 1429 Burnham St., Milwaukee, Wis.



(A)
The expanded metal wings, found only on Milcor Expansion Corner Bead, reinforce the plaster corner right up to the bead. There are no flat surfaces to which the plaster is not keyed. The narrow "nose" or bead is drawn like wire, assuring accuracy and uniformity in shape. The eye can hardly detect this metal "bumper" in the finished wall.



(B)
Milcor Expansion Casing gives you the permanence of metal trim and precision in shape of the casing. It, too, has expanded metal wings to which the plaster is firmly keyed, preventing the plaster from pulling away from the casing.



(C)
Milcor Stay-Rib Metal Lath is stiffer than other laths of equal weight. The longitudinal ribs and the reinforcing member at the centers of the strands are the reason for this. With Stay-Rib you get an adequate key without waste of plaster.

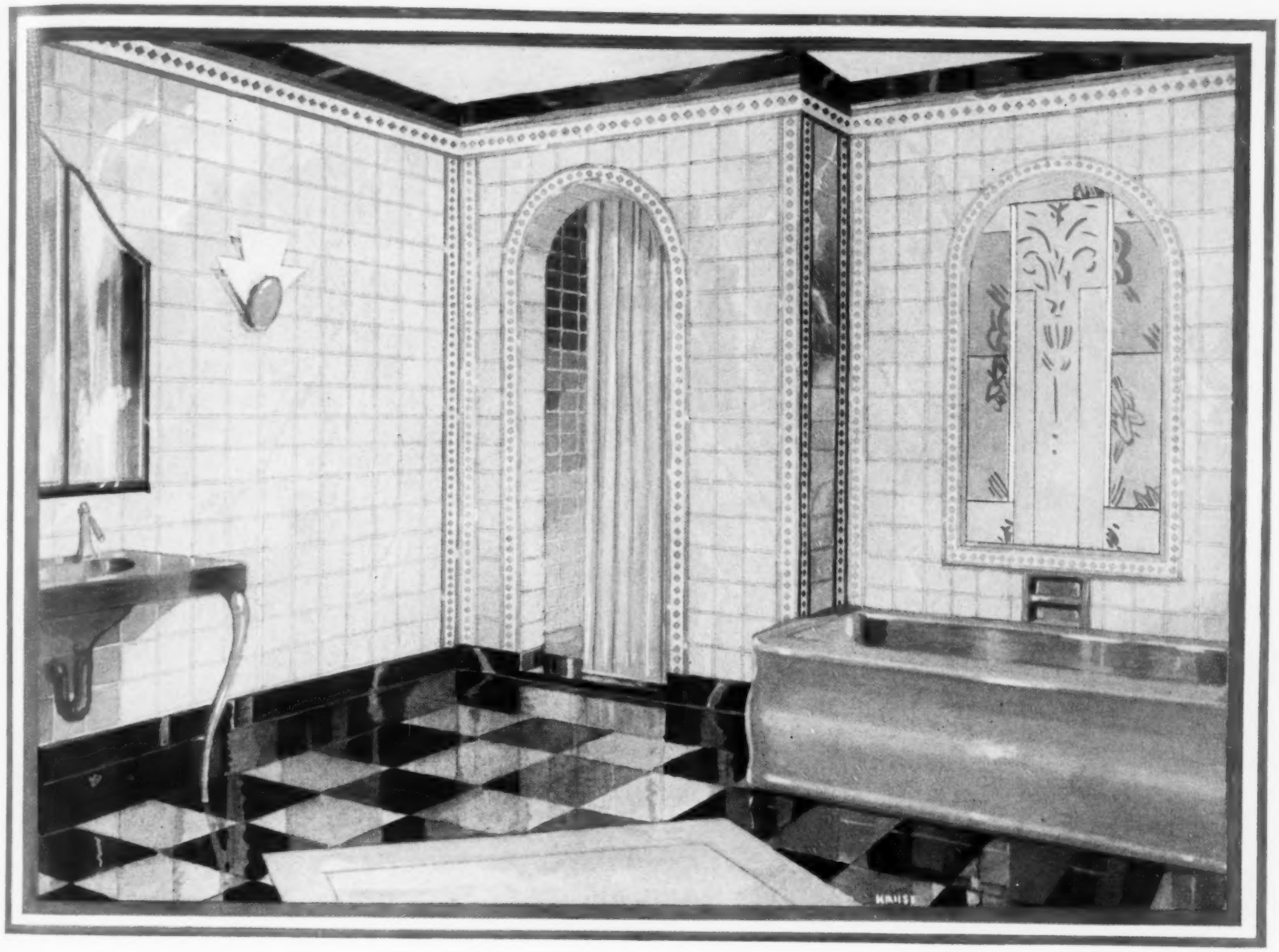
Ingot Iron

Save with Steel

MILCOR PRODUCTS

Copper Alloy Steel

Branches: Chicago, Ill., Kansas City, Mo., La Crosse, Wis.
Sales Offices: Boston, Mass., Detroit, Mich., Atlanta, Ga., Little Rock, Ark., Minneapolis, Minn., New York, N. Y., Los Angeles, Calif.
Eastern Plant: THE ELLER MANUFACTURING CO., *Canton, Ohio*



THE UNITED STATES GYPSUM COMPANY NOW DISTRIBUTES

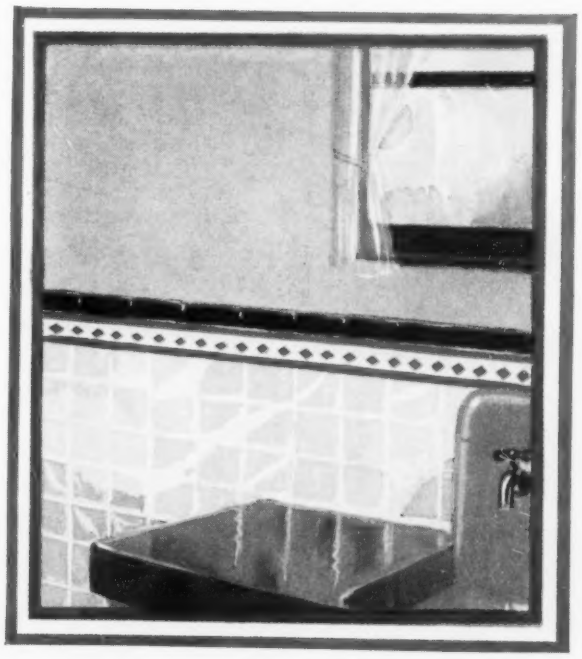
CHROMITE

Lustrous, Permanent, Metal Alloy Tile

AS the conclusion of research into the subject of decorative tile the United States Gypsum Company offers CHROMITE, a non-corrosive, enameled, sheet tile that provides beautiful two-toned decorations in bathrooms, kitchens, playrooms, solariums, etc.

CHROMITE is cemented in sheet form to walls and ceilings. Its lustrous, flint-hard surface rivals the beauty of expensive ceramic tile. Yet it is moderate in cost. And it is easily washed.

CHROMITE has been exhaustively tested in the USG laboratories. It has stood the test of time and service.



An illustrated CHROMITE booklet will be sent on request

UNITED STATES GYPSUM COMPANY
302 West Adams Street, Chicago, Illinois

CHROMITE

"For walls of permanent beauty"

A PRODUCT OF THE UNITED USG STATES GYPSUM COMPANY

Why is the **Red Cap** *better for oil heating?*

The Capitol Red Cap

Because it embodies every improvement known in round boilers, it is a good boiler to use with oil or any other fuel. A staunch jacket of baked enamel is in red and blue. A thick blanket of rock wool, the finest obtainable, suggests its quality in every particular

. . . Let us ask you another . . .

Why is a truly great race horse better on any kind of track? Because his breeding and stamina and speed will tell, whether the going underfoot is fast or heavy.

In exactly the same way, the truly fine *Capitol Red Cap* proves its heating qualities, no matter what the fuel. Capitol engineers have designed it to permit easy installation of any type of oil burner. They have given it the plentiful combustion space, the long fire travel, important with coal or coke and especially important with oil. But primarily, the *Red Cap* is better for oil burning because it is a better boiler. Every advantage that it has with coal is present equally or magnified with oil. Whether coal or oil is burned, it saves fuel, heats rapidly, has ample reserve power, and operates easily.

Actual experience of home-owners burning oil in the *Capitol Red Cap, Red Top,* and *Red Head,* as well as Capitol unjacketed boilers, proves their merit. A check of Capitol boilers recently installed shows a remarkable percentage being fired with oil. If you have not fully recognized the pinnacle of modern heating represented by Capitol boilers with the fuel of your choice, see your heating contractor. And write to us for the interesting and valuable book on present day heating, "A Modern House Warming."

UNITED STATES RADIATOR CORPORATION - DETROIT, MICHIGAN

8 Factories and 35 Assembling Plants Serve the Country—For 40 years builders of dependable heating equipment

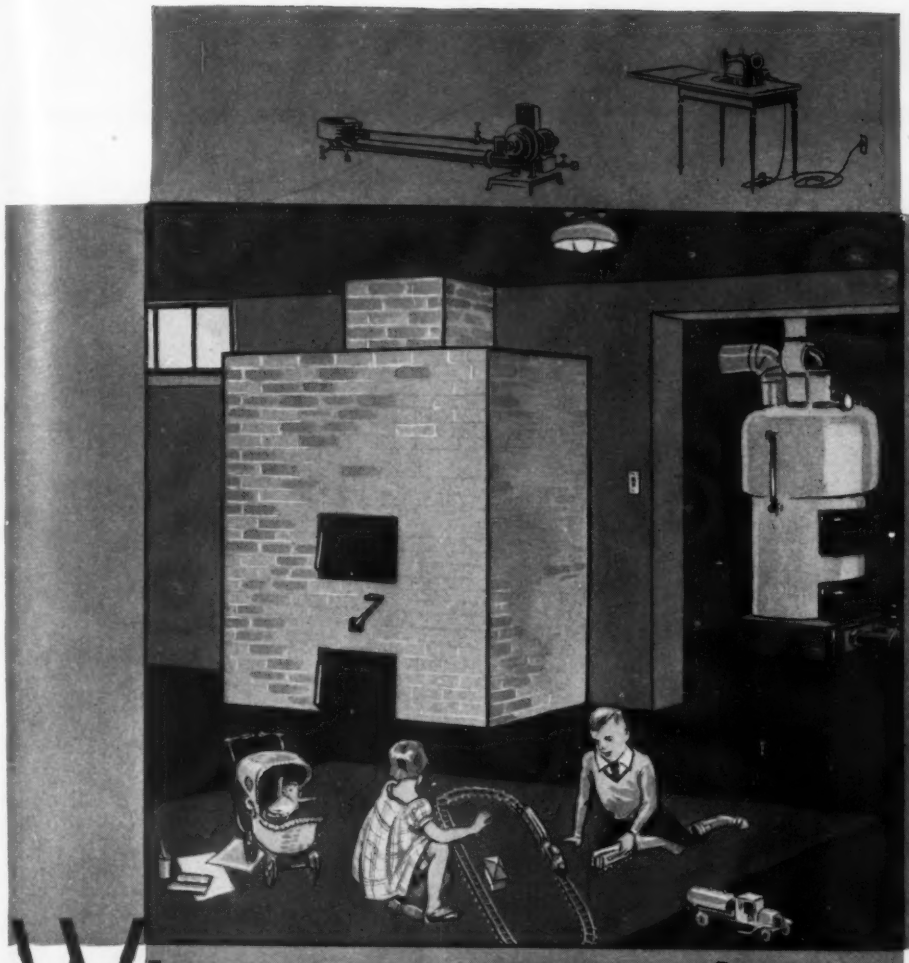
© 1930, U. S. R. Corp.

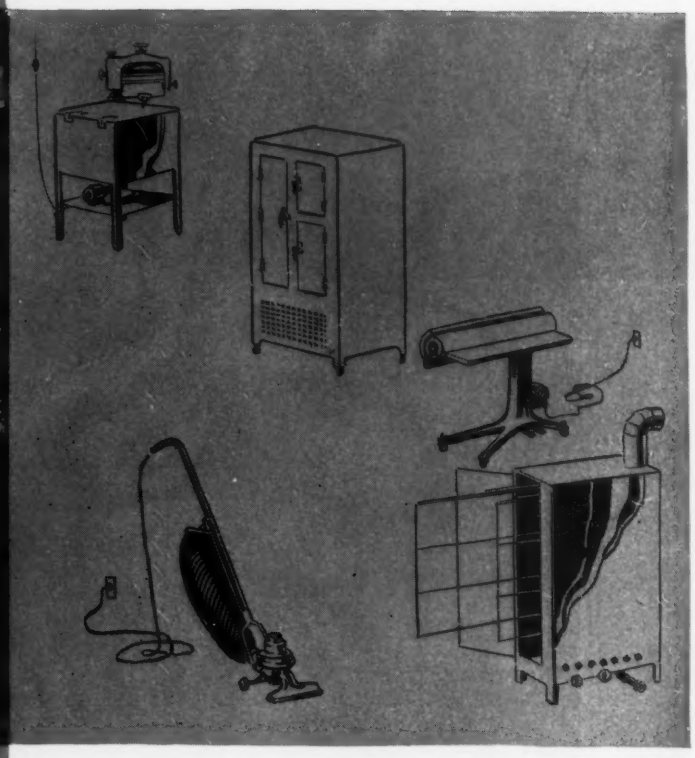
THE PACIFIC STEEL BOILER CORPORATION—Division of the United States Radiator Corporation, builds welded steel heating boilers for large installations—business buildings, factories, schools, hotels, and large apartments.

Guaranteed Heating **WITH**

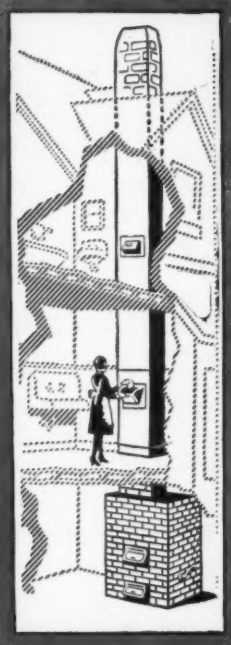
Capitol Boilers

AND RADIATORS





Why not complete convenience?



KERNERATOR
REG. U.S. PAT. OFF.
INCINERATION
FOR NEW AND EXISTING BUILDINGS

WITH everything that makes housekeeping easier and homes more livable, why neglect an outstanding convenience — the Kernerator.

Most other modern conveniences are conveniences *only* — the Kernerator, in addition, is an easy means for complete sanitation.

Garbage — of course — that's the original purpose of the Kernerator. But modern fuels have given rise to a very definite problem of disposing of the waste — of a hundred kinds — that can't be burned in gas or oil heating equipment, that is dangerous to leave in the basement and that you are prohibited by ordinance, in most cities, from burning out-of-doors.

Waste, garbage, rubbish — after it is in the handy hopper door is forgotten. Air-dried, an exclusive Kernerator feature, the waste furnishes the fuel for its own destruction.

Ask a Kernerator Incineration specialist to tell you why the Kernerator is completely convenient and how it accomplishes effortless garbage and rubbish disposal.

A line will bring an interesting catalog.

KERNER INCINERATOR COMPANY
1230 NORTH WATER STREET MILWAUKEE, WIS.

CRITTALL CASEMENTS

INTERIORS JEWELLED WITH LEADED WINDOWS

Residence of C. L. Ayres, Esq., Grosse Pointe, Michigan. Beckett and Akitt, Architects

CRITTALL CASEMENTS—with their sparkling crystal panes artistically fixed in a setting of lead and steel—add the final jewel-like touch of rich distinction to the interior of any home. They break the sunlight into warm, dancing patterns on floors and furnishings—and their simple beauty forms a harmonious background for colorful draperies.

Crittall Casements bring year 'round comfort and convenience, as well as decorative beauty. They close snugly against wind and weather—open wide in welcome to balmy breezes and healthful sunshine. And, they are easily cleaned and screened.

Stanwin Casements are available with screens by Crittall

Whatever type or size of home you may intend to build, there is a Crittall Casement suited to your every need. Crittall Universal Casements are custom-built of steel or bronze to the exact specifications of your own architect. Norman and Stanwin Steel Casements are available in a wide range of standardized sizes, designs and types.

Ask your architect to show you the illustrations of Crittall-equipped homes on pages A1131 to A1200 of Sweet's Architectural Catalogues. Or, if you would rather investigate directly, we will gladly send you our latest literature describing the complete line of Crittall Casements.

CRITTALL CASEMENT WINDOW CO.

10963 HERN AVENUE , DETROIT, MICHIGAN

STANWIN CASEMENTS , , , NORMAN CASEMENTS , , , UNIVERSAL CASEMENTS

Perfecting the Fireplace

Heatilator Fireplace planned and built by J. C. Bundy, Charlotte, N. C. Grilles are in both sides of the mantel. These are intakes and outlets for the passage of air through the heating chamber of the Heatilator around which the masonry has been laid. Grilles may be in the face of the mantel if preferred or even carried to other rooms. Scope for architectural variation is unlimited.

Illustration shows the Heatilator as delivered, ready to install. A indicates one of two cold air intakes. B indicates one of two warm air outlets.

Here's an idea that enables anyone to make his fireplace more *than ornamental—*

With a Heatilator—and *only* with a Heatilator—any fireplace can be made to send *abundant* and *smokeless heat* into the room

NO matter where you live or how well your house is heated, there will be days and nights when you will need more heat from your fireplace than the ordinary fireplace can give. And there is scarcely an evening but a hearth-fire will add cheer and beauty to the living room—if the fireplace can be used without smoke.

There is only one practical and easy way to build a fireplace that meets both these conditions, and that is with a Heatilator.

The Heatilator is a double-wall metal form around which the fireplace masonry is laid—a complete unit up to the flue, including damper, fire-box and smoke-chamber. (1) It positively assures the proper proportions and angles necessary for smokeless operation. (2) It provides an extra heating chamber that draws in cold air, warms it with the heat ordinarily lost up the chimney, and sends it into the room—giving extra heat from the same fuel, equal to that of a furnace register.

If you have your mason use a Heatilator you will be absolutely certain of satisfaction. He simply can't go wrong. Thousands of Heatilator fireplaces have been built without one failure, and satisfaction is fully guaranteed.

It costs little if any more to build or remodel a fireplace with a Heatilator than without. Use the Heatilator and make sure of fireplace perfection. Mail coupon for plans and details.

THE HEATILATOR COMPANY, 539 GLEN AVENUE, COLVIN STATION, SYRACUSE, N. Y.

Heatilator Fireplace Unit

HEATILATOR COMPANY, 539 Glen Ave., Colvin Station, Syracuse, N. Y
[ ] Please send particulars, without charge or obligation.
[ ] We plan to build..... remodel.....(which?)

Your Name ..... Address.....

.....

How does a home acquire character?

It's a joy to live in a house you've built yourself. Rooms arranged to suit your needs. Comforts, conveniences just as you want them. Decorations and equipment expressive of your own good taste and judgment.

Hardware plays a most important part in making a home livable. Doors must open smoothly, latch exactly. Locks must give maximum security. And, equally important, the design of every piece of hardware must help carry out the entire plan of decoration.

It pays in the beginning to insist on Sargent Hardware. Of solid brass or bronze, Sargent Hardware is a permanent installation. No worn surfaces. No rust-streaked woodwork. No replacements. But quiet, easy, perfect working of every piece of hardware.

No matter what type of architecture you have selected, you can find Sargent designs in perfect keeping. Hammered hinges entirely appropriate for batten doors of the old English type. Colonial rim locks perfectly reproduced. Authentic French and Spanish designs. You will find much of interest and instruction in our illustrated booklet, "Hardware for Utility and Ornamentation." It will be mailed you on request. Sargent & Company, 31 Water Street, New Haven, Connecticut.

SARGENT
LOCKS AND HARDWARE

AN ENGLISH COTTAGE TYPE HOME, WILMINGTON, DELAWARE, COMBINING AUTHENTIC COMPOSITION WITH CHARMING ORIGINALITY. EDWARD CANBY MAY, ARCHITECT

A CHARMING INTERIOR—MADE ESPECIALLY ATTRACTIVE BY SKILFUL USE OF CYPRESS AND PINE AND APPROPRIATE SARGENT HARDWARE

THIS DESIGN OF SARGENT HARDWARE HELPS MAINTAIN THE SINCERITY OF THE ENGLISH COTTAGE STYLE OF DECORATION AND ASSURES COMPLETE SATISFACTION FOR THE LIFE OF THE DWELLING

BOILERS . . . LIKE TWINS ARE HARD TO TELL APART

ALL BOILERS look alike. It is how they are made that makes the difference. Efficiency features cost money, but they save their cost over and over again. You pay for your boiler only once. But you pay for fuel every year – that's where the saving can be made.

The efficiency of the boiler is the prime factor in the cost of heating, and is even more important when you burn oil or gas than when you burn coal. Oil and gas make hotter fires – give off more heat units per minute – put a greater tax on the boiler's efficiency.

A boiler is efficient or inefficient on two counts. First, in burning fuel. Second, in absorbing heat from the fuel burned.

If the boiler burns only 75% of the gases liberated, allowing 25% to escape up the chimney unburned, and if it absorbs only 75% of the heat from the gases burned, allowing 25% to escape up the chimney unabsorbed, its efficiency is only 56¼ %. These figures do not exaggerate common occurrence.

Taking this into consideration, together with the fact that the average yearly fuel bill runs from one-half to the full cost of a boiler, it is evident that an efficient boiler will save enough on the cost of the fuel to pay for itself every three or four years – a saving that will buy radios and automobile tires, and silk stockings and many other things.

The New Smith No. 16

A BOILER IS EFFICIENT OR INEFFICIENT ON TWO COUNTS
1. In burning Fuel –
without Fire Brick Lining or auxiliary Air Supply.....
(Narrowed Fire Area)
75% EFFICIENT
with Fire Brick Lining and auxiliary Air Supply.....
(Full Grate Fire Area)
100% EFFICIENT
2. In absorbing Heat
Narrow necked funnel wastes water... as too little FIRE SURFACE wastes HEAT.....
.....With wide necked funnel – no water flows over the top. With plenty of FIRE SURFACE no heat is wasted up the chimney

The New Smith "16" has more Fire Surface than any other boiler made of the same grate area – enough to absorb more heat than any home in which it is installed will ever need.

Fact – Not Dream

This is not a dream we are talking about. We are talking facts. The cost of heating even when on an efficient basis is one of the largest items in running a house. Whether you now have an inefficient boiler or are going to build and want to avoid installing one – you owe it to yourself to go into this subject carefully. Ask any good Architect, Engineer or Heating Contractor about H. B. Smith Boilers in general and the New Smith "16" in particular.

Send for our free book

It would take far more space than is available here to explain the value of the many efficiency features incorporated in the New Smith "16" – features that insure efficient burning of fuel and efficient absorption of heat. But let us send you a copy of our new booklet, "The Smith 16" which will give you an idea of their importance and value. The amount of money you can save is far too great not to get the facts about how you can save it. Simply mail the coupon below and the book will be sent you free of charge and with no obligation to you.

THE H. B. SMITH CO.
Dept. K-27,
Westfield, Mass.

Gentlemen: Without cost or obligation to me, please send me a copy of each of your two books, and details of the New Smith No. 16.

Name .....

Street .....

City ..... *State* .....

THE H·B·SMITH
BOILERS & RADIATORS
Used in fine homes and buildings since 1860

The H. B. Smith Boilers for steam, hot water and vapor heating; radiators; and hot water supply boilers; for every type and size of private home, office building, factory and public building.

INEXPENSIVE as matches

You can operate Electrolux a month on what you probably pay for ice in a week

YOU'LL have a safe low temperature, a supply of ice cubes, with almost any automatic refrigerator.

But with Electrolux you'll have these conveniences at only a fraction of the usual cost—without noise, without trouble, without interruption.

Electrolux operates so inexpensively because it is radically different from other refrigerators. It has no machinery or moving parts. Merely a tiny gas flame and a slight trickle of water to circulate the refrigerant. By this simple method you get constant, unvarying cold; ice cubes that freeze quickly.

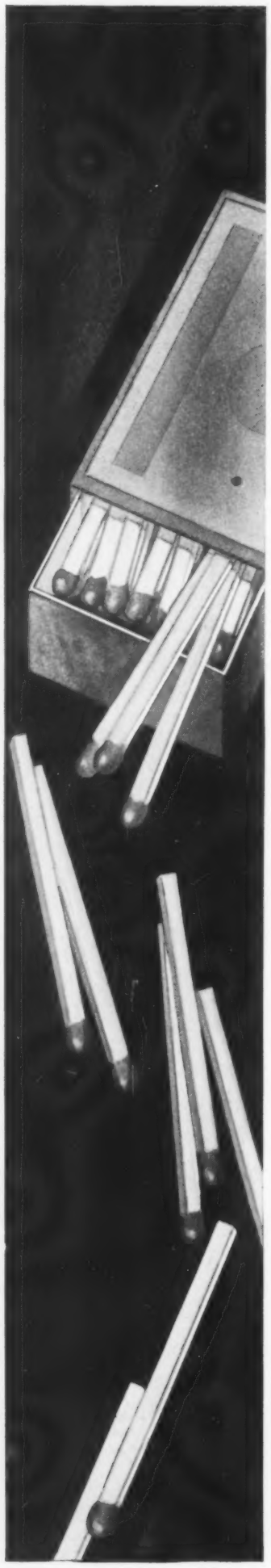
And you can't hear Electrolux operate, because there is nothing to hear—no moving parts at all. This refrigerator is not only silent when you get it, but stays that way for life. It has no machinery to grow noisy later on, to need attention, to wear out. The refrigerant is sealed inside a rigid, one-piece steel unit. It never needs replacement. The gas burner has an automatic shut-off valve. No gas can flow should the flame ever go out.

With all these advantages, don't think that Electrolux costs more than other automatic refrigerators. Its price is about the same, size for size—$195 to $430 at the factory. Purchase terms are liberal. There are many models to choose from in white and beautiful color combinations. Can be operated with Pyrofax Gas where there are no city mains.

Before you buy any kind of refrigerator, see Electrolux. And write us for complete information. Electrolux Refrigerator Sales, Inc., Evansville, Ind.

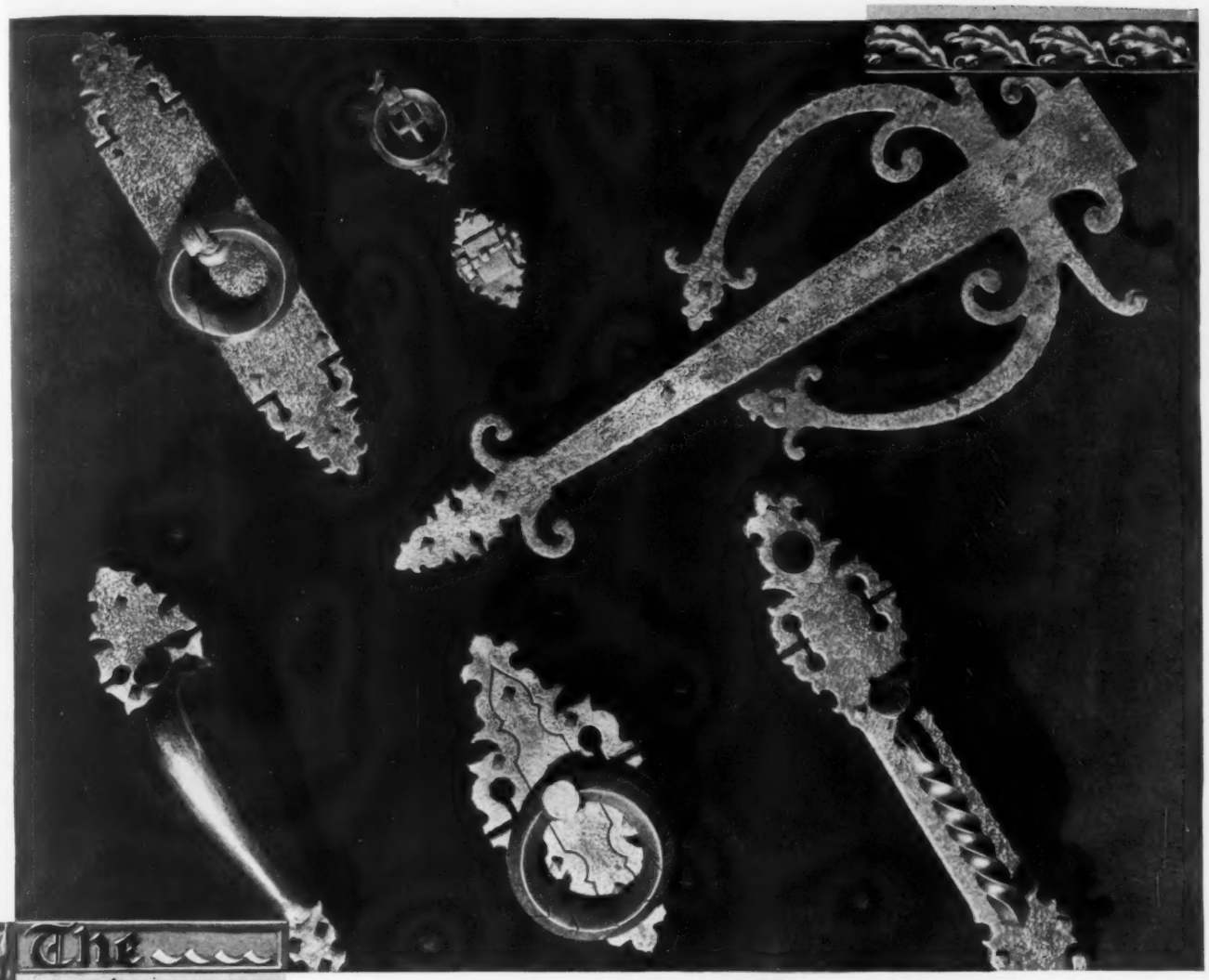
ELECTROLUX

THE *Gas* REFRIGERATOR



A tiny gas flame takes the place of all moving parts

Hostess Model Electrolux shown above has five cubic feet of food space and makes 45 large ice cubes



The Warwick Pattern

Yesterday

When artists were artists and men had time to appreciate fine things, hardware of forged iron, executed in marvelous designs, was a feature of every wealthy landowner's Castle.

This pattern with its happy combination of gracefully curving lines and sturdy shapes is derived from examples of forged iron created in England during the centuries when the art of the metal worker reached its highest point. In texture, finish and beauty this forged iron hardware by McKinney stands as a worthy successor to the creations of former great craftsmen.

In addition to the exquisite Warwick, McKinney Forged Iron Hardware is available in five other master designs: Heart; Curley Lock; Tulip; Alhambra; and Etruscan. Almost any type house can be outfitted in perfect harmony. All necessary pieces—handle sets, hinge straps, H & L hinge plates, knobs, shutter dogs, chimney irons, garage hardware, etc.—are available through your Builder's Hardware Merchant.

To make possible an accurate study of all designs, McKinney offers a beautiful Brochure illustrating their proper application. Use the coupon to request your copy.

and Today

When every home builder is his own artist, the popularity of fine forged iron hardware is universal. Everywhere it is recognized as one of the artistic touches which makes a house worth while.

McKINNEY HARDWARE

FORGE DIVISION (H & G)
McKINNEY MFG. CO., Pittsburgh, Pa.
Kindly send me your Brochure on Forged Iron Hardware.
Name .....
Address .....

The latest Heisey design (No. 1401). Note the graceful scallops and flutings. Offered in complete table services, in crystal, Flamingo rose, Moon Gleam green or Sahara gold. Also ask to see Heisey's new Alexandrite.

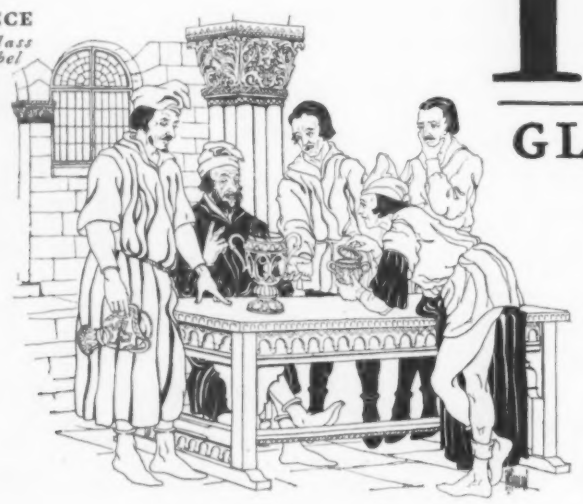
Crystal that good taste chooses

LOVELY sparkle of crystal on your table . . . gleaming crystal! Don't you just adore it and doesn't it make entertaining ever so delightful? • • • Since the momentous nineties, when hostesses have wanted fine crystal they have turned to Heisey's as the choice of good taste. Because for so many years now the name Heisey has been assurance of superb quality in glassware, quality that appeals and allures. • • • The whys and wherefores of this are to be seen in the never-flagging devotion of Heisey craftsmen to artistic achievement and originality of design. They have had much to do with making glassware the vogue. Their exquisite creations in both crystal and colors are to be seen at the leading stores. And the price you know is moderate.

A. H. HEISEY & COMPANY, NEWARK, OHIO

When buying for your own use or for friends, you will be glad to have the booklet, "Gifts of Glassware". Write for your copy.

LOOK FOR THE ◇H◇ **ON EVERY PIECE**
embossed on the glass or on adhesive label



Heisey's

GLASSWARE ◇H◇ *for your table*

Glass Perfected Through the Secrets of 4000 Years

IN ANCIENT Constantinople, mighty seat of empire, skilled craftsmen worked in that section of the city known as the Gateway of Glass. Here during the flourishing period of art called the Byzantine, they developed wondrous secrets of coloring and making glass, so that their rich mosaics have ever since been famous. They also wrought beautiful lamps, vases, bowls and chalices, which are now treasured in museums. Modern American glassware by Heisey is the fruition of the secrets of many ages, bringing beauty to your table.

Will Foster painted the lower illustration for Pierce-Arrow in 1912. Eighteen years later, Mr. Foster pictures the same scene (alongside) with 1930 models of the same kind of girls, the same kind of car.

Three New Groups

of Straight Eights by Pierce-Arrow

IN FOUR NEW WHEELBASES

HAVING created a Straight Eight line of such rare symmetry as to utterly outmode its field, Pierce-Arrow has gone brilliantly farther in a new series of fine car developments.

The new models are in three groups and four new wheelbases, three of which are longer. All are of delightfully increased spaciousness within . . all are in the custom manner, with appointments of a beautiful and distinguished modernness . . all share the slender, low-swung, patrician grace so truly and exclusively *Pierce-Arrow*.

And these new and ultra-modern Pierce-Arrows are as richly endowed mechanically:

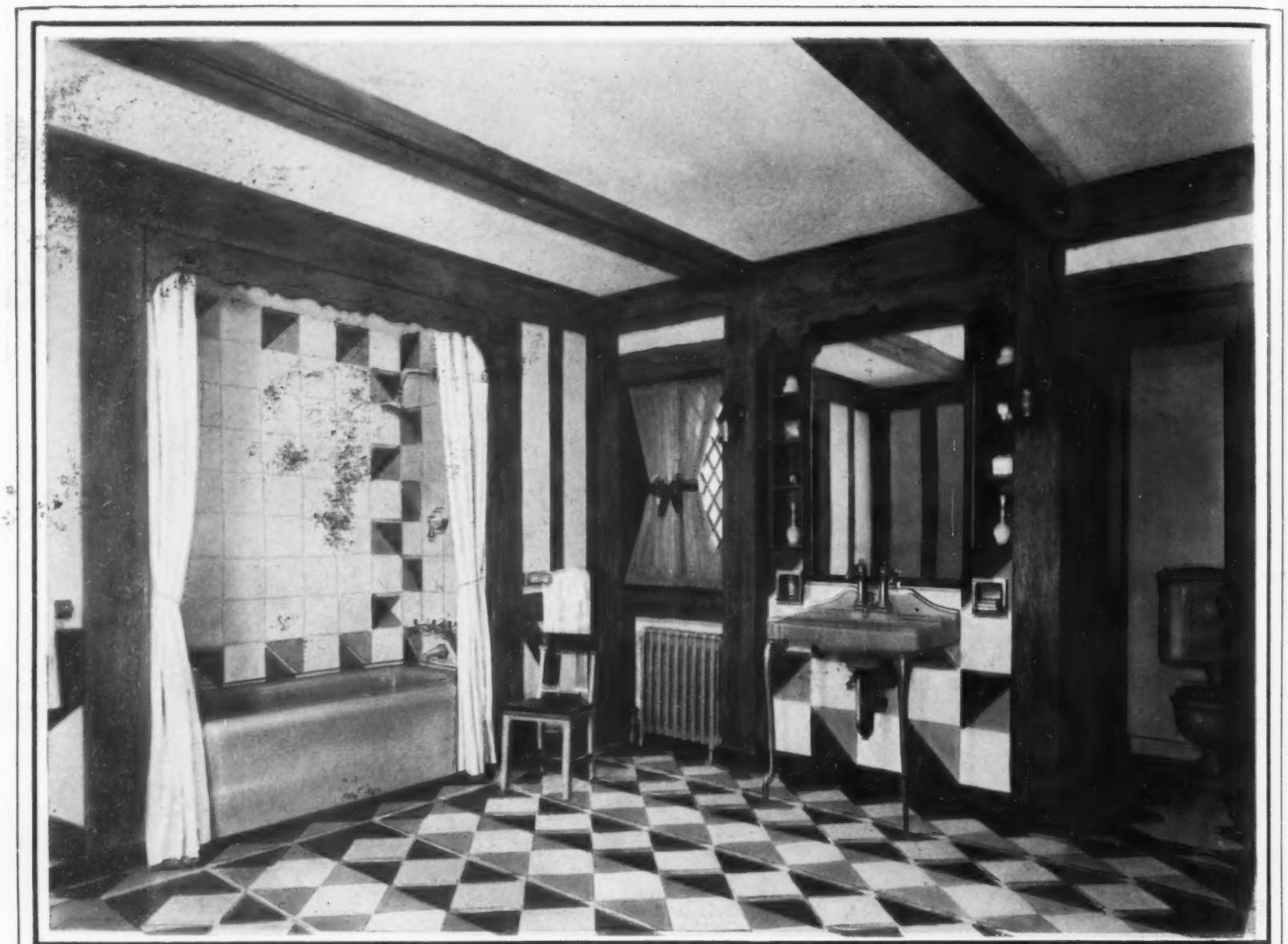
With gears which silently and easily shift *at any speed* . . with an "intermediate" that operates with the smoothness and swiftness of ordinary high . . with a wheel which handles with magical ease . . with super-safety brakes, non-shatterable glass, low gravity centers, hydraulic shock absorbers, etc. . . . these latest models embrace every device known to the engineering of fine motor cars and *worthy of Pierce-Arrow adoption.*

In the purchase of a car from income, the average allowance on a good used car usually more than covers the initial Pierce-Arrow payment.

NEW PIERCE-ARROW PRICES . . at Buffalo . . From $2695 to $6250

(Other Custom-built Models up to $10,000)

PIERCE-ARROW



IN MANY A STATELY OLD HOME THERE IS A ROOM THAT SHOULD BE MODERNIZED

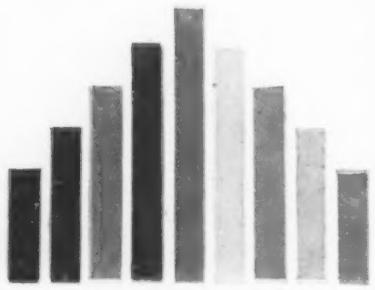
A FRIENDLY, substantial old home. You know at once that it has been in the family many years or even generations. In the Nineties one of the bedrooms or the end of the upper hall was partitioned off and converted into a bathroom. And, strange as it may seem, in this day when the bathroom is planned and furnished with as much care as the other rooms, the old tub with its claw and ball legs is still there.

Some day, and it will very likely be soon, the whole family will insist upon having a modern bathroom. Someone will be designated to write to the "Standard" Sanitary Mfg. Co., Pittsburgh, for a copy of the book "Color and Style in Bathroom Furnishing and Decoration" and visit a "Standard" Showroom in one of the principal cities.

In due time there will be a beautiful, more useful bathroom, a bathroom worthy of the old home, with "Standard" Plumbing Fixtures in delicate orchid, Ming Green, old ivory, or any one of the nine exclusive colors in which these fine fixtures are made.

Perhaps *you* would like to see a copy of the book "Color and Style in Bathroom Furnishing and Decoration." It will be mailed on request, also, if desired, details of an easy financing plan.

"Standard"
PLUMBING FIXTURES

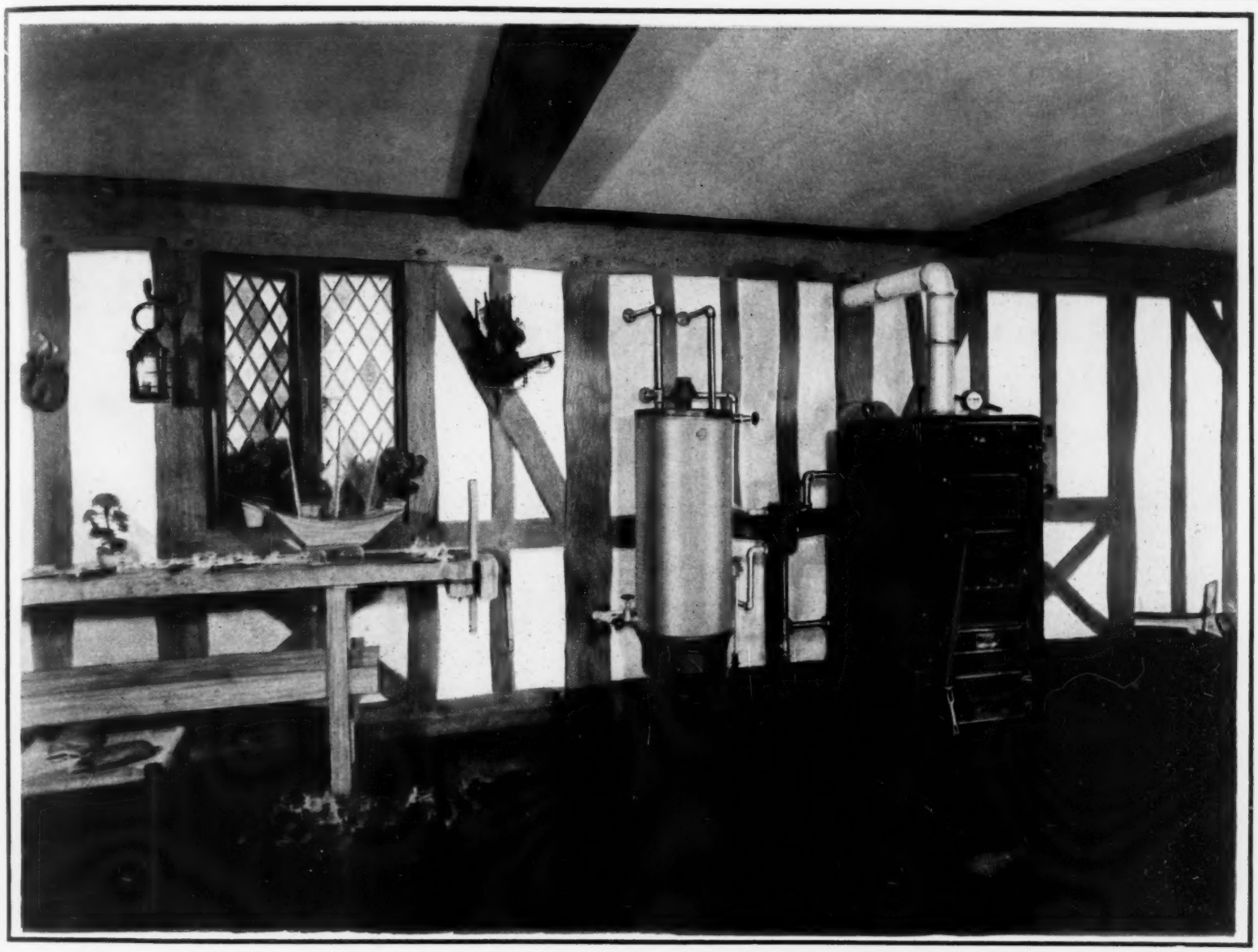


Standard Sanitary Mfg. Co.

106 SIXTH STREET, PITTSBURGH

DIVISION OF

AMERICAN RADIATOR & STANDARD SANITARY CORPORATION



AMERICAN RADIATOR HEAT FOR APPROXIMATELY $75 PER ROOM—WHY HAVE ANYTHING ELSE?

ARE you going through another winter with inadequate heating? . . . It is really an extravagance to do so, aside from the discomfort, when you can have an American Radiator heating plant installed for approximately $75 a room. And now is the time to install it.

Radiator heat is so natural that it is used in conservatories to protect flowers—and it is equally vital to the health of the family. It is the only kind of heating that assures you clean, even warmth in *every* room, all winter long, regardless of the weather.

And see that your heating plant is "All-American"... part American and part something else means parting from efficiency. "All-American"—Boiler, Radiators and Accessories—means perfect team work. Then get ready to see a transformation downstairs when the "Ideal" Boiler in its red enamel jacket gets busy. It sheds the glamor of a room into the gloom of the cellar.

CONVENIENT PAYMENTS IF YOU DESIRE

And don't worry even about the low initial cost. You can take out the old heater and put in American Radiator heating for a little down and a little monthly. Defer the payments—not the benefits. Modernize your home now with a heating system that will promote the wealth of your property and the health of your family.

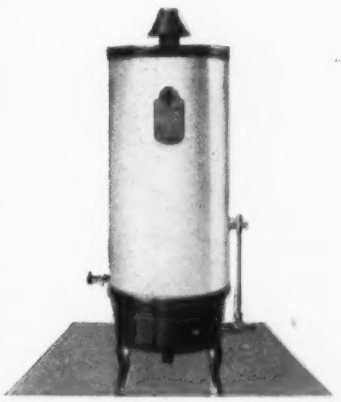
Write for details and call in your local heating dealer.

AMERICAN RADIATOR COMPANY

40 WEST 40th STREET, NEW YORK

DIVISION OF

AMERICAN RADIATOR & STANDARD SANITARY CORPORATION



About Your

HOT WATER SUPPLY

The Hotcoil Heater gives constant hot water and operates with the utmost economy. Write for details.

THIBAUT

WALL PAPERS that reflect charmingly the smartest modes of today need cost no more than the ordinary papers one sees everywhere. For "Designs of Today" by Thibaut are not alone lovely in color and design, but amazingly modest in price. Thibaut's "Moderne B" which serves so admirably as a background for the interior sketched above, is typical. This delightful paper costs but $1.25 the single roll. And, like every other paper in this smart collection, it is light proof—it cannot fade. These papers are being displayed by decorators in leading cities. If your decorator cannot show them to you, write us for free specimen cuttings, mentioning colors preferred. We will send also a helpful little book, "Wallpaper Designs of Today." Address Richard E. Thibaut, Inc., 24 West 40th Street, New York City.

"Diagonal and Flower"... an unusual treatment of a delightful theme: pastel shades. Single roll, $1.25

"Conventional No. 6"... An original and charming background for the bedroom. $1.00 the single roll.

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Chromium Plated Seals
$3.75 each postpaid

12 Inch Glass centerpiece
$9.00 Postpaid

RENA ROSENTHAL
520 Madison Ave., New York

COLOR continues to dominate in kitchen decoration, the latest addition to the ranks of brightly hued accessories being a new collection of dish towels that will make you want to change the entire color scheme of your present kitchen to make it harmonize with these. There is a striped towel that suggests the peasant kitchens of Normandy, with wide alternating colored and white stripes running horizontally. This pattern comes in red, pale yellow and light Nile green stripes, with white. Another design has large squares in two shades of one color, with white. The colors here are pale green, yellow and a lovely shade of blue. Quite a different type of design, but none the less effective, is a towel with solid colored ground patterned in polka dots and a border of small posy-filled flower pots in white. This is available in both yellow and pale green. A white kitchen hand towel is decorated with a woven border in a design of four rows of scallops shading from medium to light turquoise blue. These add the final touch of interest and color to kitchens already enlivened with tinted oil cloth, paper shelvings, etc. They are guaranteed color fast by Cannon Mills, Inc., the manufacturers.

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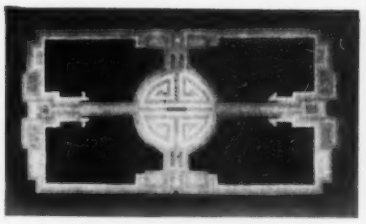

Chinese Rug . . . moderne in design

ALLEYNE ARCHIBALD
INTERIORS
Consultant on Floor Coverings
Carpets Oriental Rugs
Linoleum

FINE CHINESE RUGS
(Pastel colors—all sizes—made to order)

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THE HINDUSTAN
A Famous 19th Century Scenic Wall Paper
Naked natives rowing barges, wild dances before strange temples, slow moving oxen, and tropical foliage suggest adventure in the Scenic Wall Paper HINDUSTAN, by Zuber & Cie., Alsace. India lies half around the world, but this remarkable Scenic Wall Paper brings its glamour to you.

Adorably Small

the Caprice Desk has the beauty of a more important piece with its cabriole legs and drop front. It is pigeonholed and has two drawers below. May be had in crackled green or red edged with gold.

As an Old Masterpiece

styled "Girl with Hat" justifies itself as being different from all paintings of girls with hats, so Paul Dumas' quaint wall paper MAN WITH DONKEY is distinguished not only from all men with donkeys, but from all other designs in wall paper such is its charming naivete and beauty.

Illustrations upon request. Can be ordered through your local Decorator

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Importers, Jobbers and Retailers of Interior Furnishings
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Sole American Agents for ZUBER & CIE, ALSACE, *and* PAUL DUMAS, *Paris*

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BERTHA SCHAEFER
Interiors & Antiques
individual pieces
as well as complete schemes
129 East 55th Street, New York

EQUALLY interesting is a new collection of bath sheets also manufactured by the Cannon Mills, Inc., and featured for bathroom or beach use. These are in reality glorified bath towels, measuring 60 x 35 inches. They are made of heavy Turkish terry cloth, are reversible and come in delightful colors. For the blue or yellow bathroom, there is a towel with wide and narrow vertical stripes in French blue shading to pale sky blue, accented at intervals by a very narrow stripe in bright yellow. In the popular green and yellow colorings, there is a pattern with wide canary yellow stripes broken by light green stripes in varied widths, while unusually effective because of its smart combination is a striped towel in French blue, sky blue and Nile green.

A NEW type of carpeting that promises to revolutionize the old carpet-laying methods has recently been developed by the Collins & Aikman Corporation. This is a woven pile carpet with a processed backing of permanent resiliency coming in 54-inch widths. Regardless of size, the carpet

MARGERY SILL WICKWARE
Decorator
is now permanently established at
38 EAST 57TH STREET
NEW YORK
Refurnishing and Remodeling of Offices and Town and Country Houses

Governor Winthrop Desk of Genuine Mahogany
Length 38" Height 42" $89.50
Specializing in Finished and Unfinished Furniture
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Tree Copyright No. G1119. Settee patent No. 79062

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Among our new designs is an English Garden Shelter.
Malacca wheel settee with waterproof cushions. Wrought iron tree designed to fit any space.
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A gently swaying chair with base which rests on grass without puncturing
Terrace and porch furnishings for country houses
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Suggestions and estimates offered for country houses.
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English and French
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A CHARMING SMALL TABLE

—so simple that it is at home in any surroundings, so adaptable that it suggests tea time hospitality, after dinner coffee, and a score of other pleasant uses. It is a Mahogany drop-leaf Spider Table—Richter's reproduction of a beautiful American antique. With leaves open, 29" x 22"; closed, 6½" x 22"; height, 24".
Richter Reproductions are faithful copies of Early American Furniture, executed by skilled, appreciative craftsmen. They are equally appropriate to the modern city apartment and the spacious country home. *You may purchase through your Architect, Dealer or Decorator. Send for booklet.*
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or rug is laid without the unsightly welt-sewn seam, as this carpet makes its own selvage wherever it is cut. It is joined together with a newly patented process, making a practically invisible joint, cross joints and bias joints included. Wear and time only result in a consolidation of this joint. This process provides for an apparently seamless carpet of any size whatever, giving a superior broadloom effect.

IN addition to doing away with unsightly seams, this carpet obviates the usual waste in cutting as all scraps can be utilized. Circular stairways can be carpeted without remnants. No bindings or reinforcements are needed. A further advantage is the treated back which makes the rug "stay put" once it is down. The back is also waterproof which means carpets can be scrubbed and cleaned on the floor. In cases of stain or burn, this part can be cut out and a piece set in without evidence of joining. (*Continued on page* 37)

DEEP-SEA TILES

Accurate reproductions of sea life in color or black and white silhouette. Smart cocktail and coffee tables in wrought iron, $125. Single pieces from $2.50 up, suitable for Interiors, Murals, Gardens and Pools. Booklet on request.

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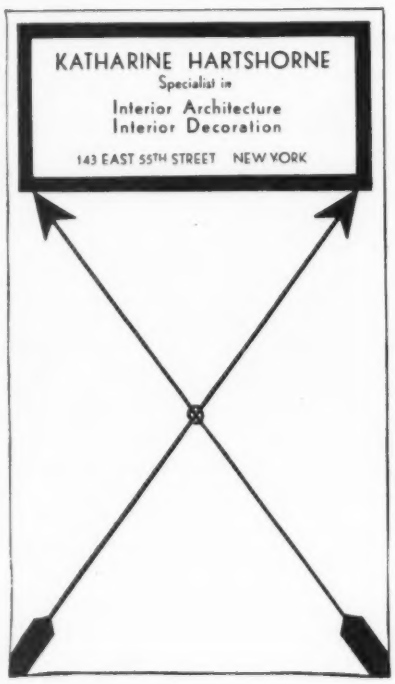

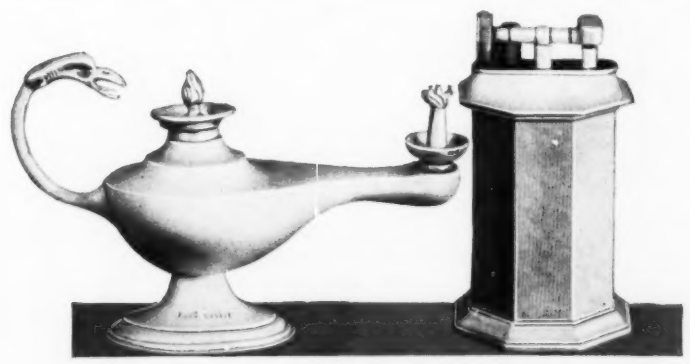

STERLING Silver Cigar Lighter in the form of a Roman lamp, 5½ inches long by 3½ inches high, priced at twenty-five dollars. Designed to be used with Old Silver.

AUTOMATIC Lighter in Sterling Silver, engined turned, 3⅝ inches high and made by skilled craftsmen, priced at forty-five dollars. The same lighter in plain finish thirty-five dollars.

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EXPERTS IN OLD ENGLISH SILVER
636 Fifth Ave. **NEW YORK** *at 51st Street*

Louis XVI Walnut Commode
mouldings in brass—top of grey marble
SIGNED GAMMICHON A' PARIS
34½" high, 50" long, 23" deep

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Rooms for children completely decorated and furnished by

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The lamp sketched, with rose quartz figure 145.00

LAMPS . . . THIRD FLOOR

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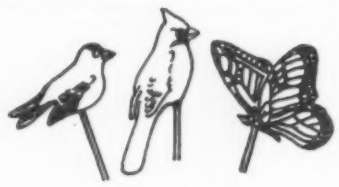

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The following bird subjects and butterfly color combinations may be had—any six in a set $3.00 Postpaid.

BIRDS	BUTTERFLY COLORS
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Bluebird	Red and Black
Baltimore Oriole	Green and Black
Goldfinch	Blue and Black
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The stakes are 4' long and enameled in black—adding a delightful touch to milady's garden.

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Black Hand Wrought Iron Flower Stand . . . 25" over-all . . . 12" high $7

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The charm of old fashioned things is brought out so well in these two fixtures (illustrated above).

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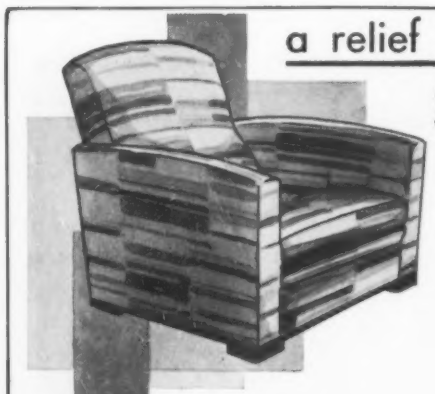

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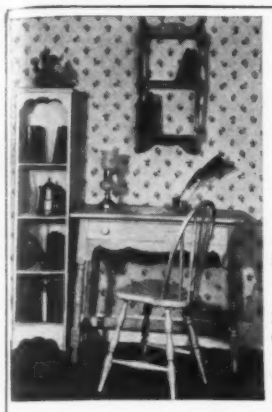

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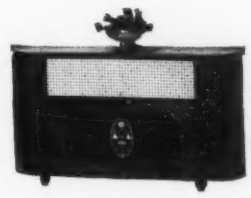
THE simplicity and definite lines of most modern furniture not only require hardware in keeping, but handles, drawer pulls, and locks of sufficient decorative interest to compensate for lack of ornamenta- (*Continued on page* 39)



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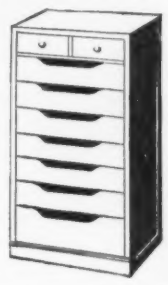

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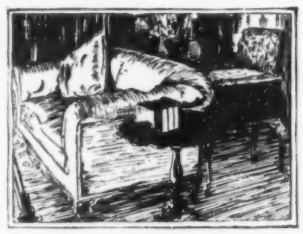

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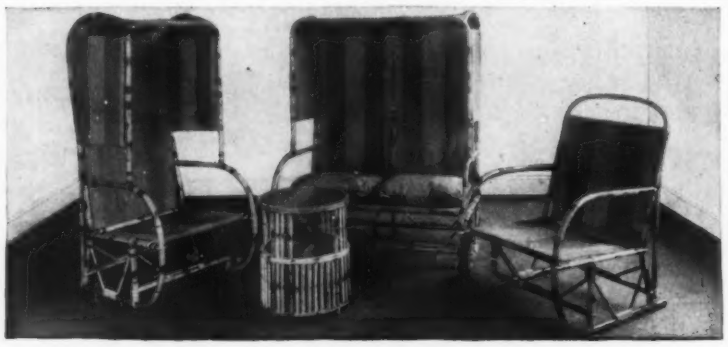

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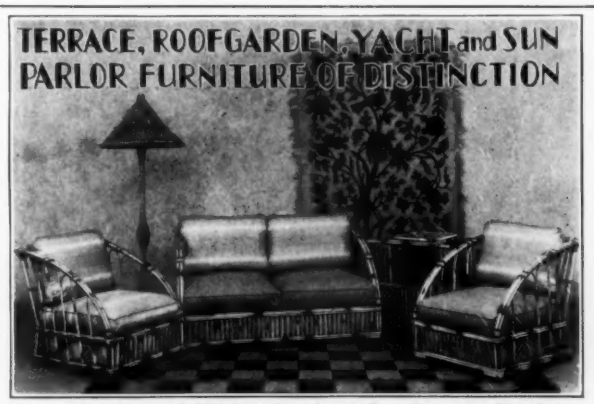

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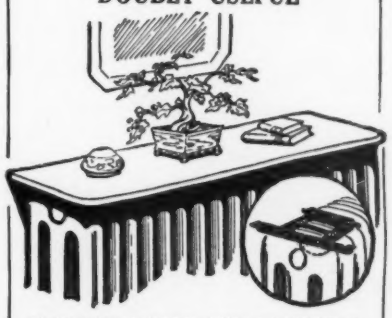

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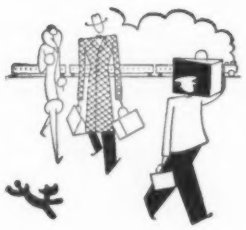

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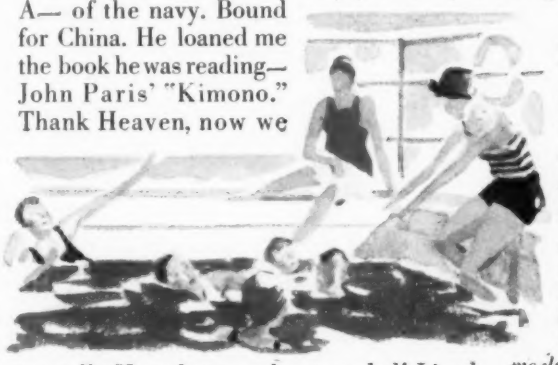
"IF THIS IS MY FIRST DAY IN THE ORIENT-WHAT WILL THE REST BE?"

Sailing Day: —Didn't know it would be such a thrill! The ship all hung with lanterns and flags. Everybody throwing colored streamers and balloons, the orchestra playing and such a crowd! Laughing and kissing. Last minute Bon Voyage baskets and telegrams. A newly married couple dashed up the gangplank under a shower of rice. Can see lots of fun ahead. Our stateroom snowed under flowers and chocolates!

I'm writing this on top deck in my brand-new travel diary. Feeling beautifully luxurious—facing the prospect of new countries and people all around the world.

(Already wondering who is the impressive-looking man with the brief moustache and knickers. He has good taste in pipes. This is the third time he's walked around this deck. Glad I wore this yellow and brown sweater outfit.) Think I'll read awhile . . .

Later—"The man with the pipe" is Capt. A— of the navy. Bound for China. He loaned me the book he was reading—John Paris' "Kimono." Thank Heaven, now we



can talk. How that man has traveled! Lived all over the world. No wonder he looks so bronzed and cosmopolitan. And he bridges as well as he talks.

Second day out—Splendid dip in the pool. What a fashion parade of bathing suits. My new V-back suit is just the thing. Lounged in deck chairs, topside, with the girls while Old Sol gave us a beauty-brown. Then to tea. Danced with three new men.

Tonight's the big costume party. Must wrack my brains for something different. Oh, inspiration where art thou?

1:30 a.m.—Whoopee, the evening was a riot! Went to the party as Lady of the Bawth. Attired in 2 bath towels, 3 beauty marks, a sponge corsage-flower, a sink stopper necklace and an alarm clock for a wrist watch. Not to mention a soap box for a vanity. Glorious time.

And what food! Papaii melons from Honolulu, fresh mushrooms, breaded froglegs, pili nuts and mangoes from Manila, creme de menthe sherbet . . . I think we have the best table on the ship. Baron von P— is at my right, the newlywed couple from Stanford just across, and the jovial Captain holding down the hostly honors. Having too good a time to write every day . . . !

Thursday—Yokohama today. Already the water is dotted with sampans and little brown fishermen.

Well, I've ridden in my first ricksha! And now I know how Caesar felt in a chariot! Spent the day Oh-ing and Ah-ing. First at the Daibutsu Buddha at Kamakura. Never will forget those mysterious slumbrous eyes.

After luncheon we went up to Tokyo on a perfectly modern interurban. To the Thursday Club where we bought genuine Japanese kimonos. (Not the usual tourist kind.) These were in dark, rich colors—plum, mauve and gray with delicate striping and simple motifs. Stunning present for a particular man.

Then to see the Meji Shrine where the Japanese pray for the Emperor's soul. (An inner shrine contains a sacred mirror which represents his soul. Fascinating idea!)

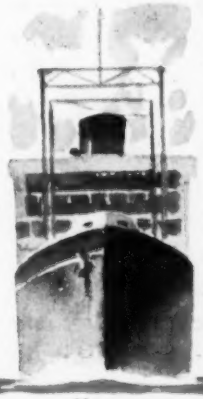
Drove up in the hills for a native supper. A doll-like paper tea-house with doors that slide back. View of the whole city twinkled below. Sat on little grass mats, and ate *sukiaki* and *gunabi* with bamboo chopsticks.

Saw a real geisha dance at the *Adzuma Odori*—How very Japanese! Next act was an uproarious cloth-horse—a country cousin to "Spark Plug." Japanese adore comedy.

Ended up a perfect evening with a trip to *Asakusa*, Tokyo's Coney Island. Laughed our way through the crazy mirror palace, eating Japanese fish candy.

Stopped to fill our miniature English motor with Japanese "motor spirits" and sped back along the *left-hand* side of the road to our hotel.

If this is my first day in the Orient, what *will* the rest be?



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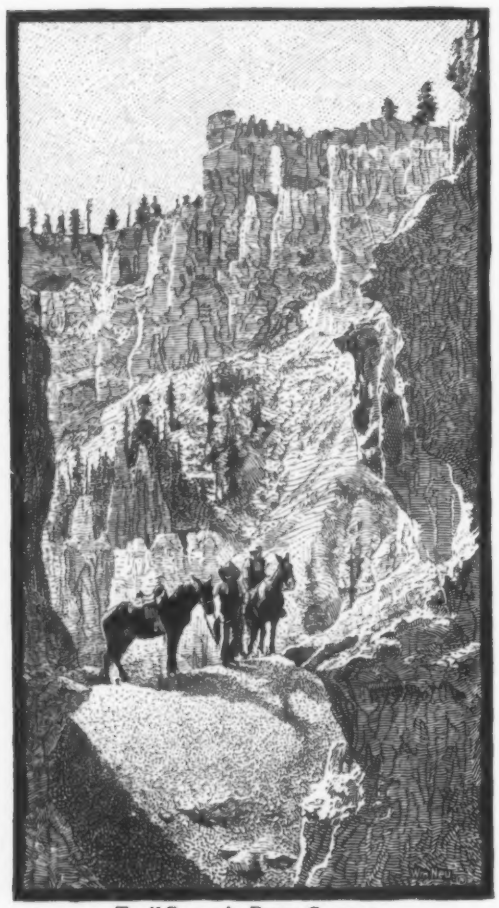

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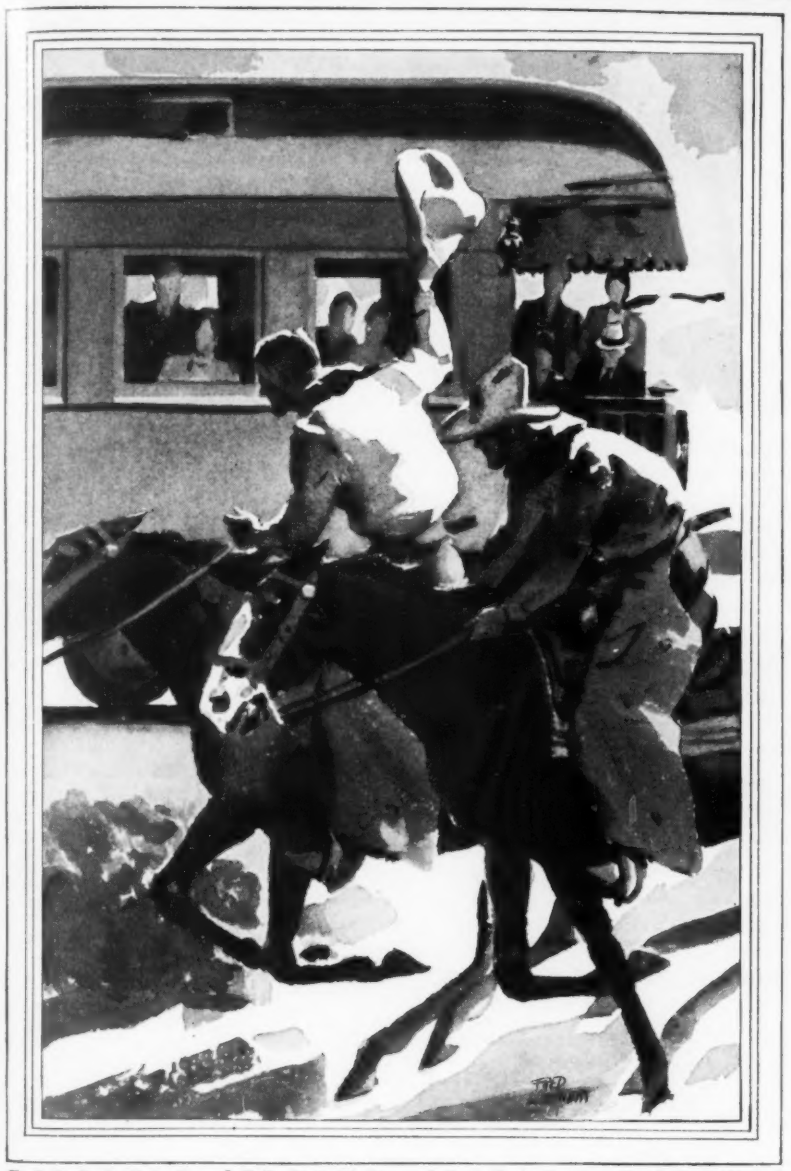

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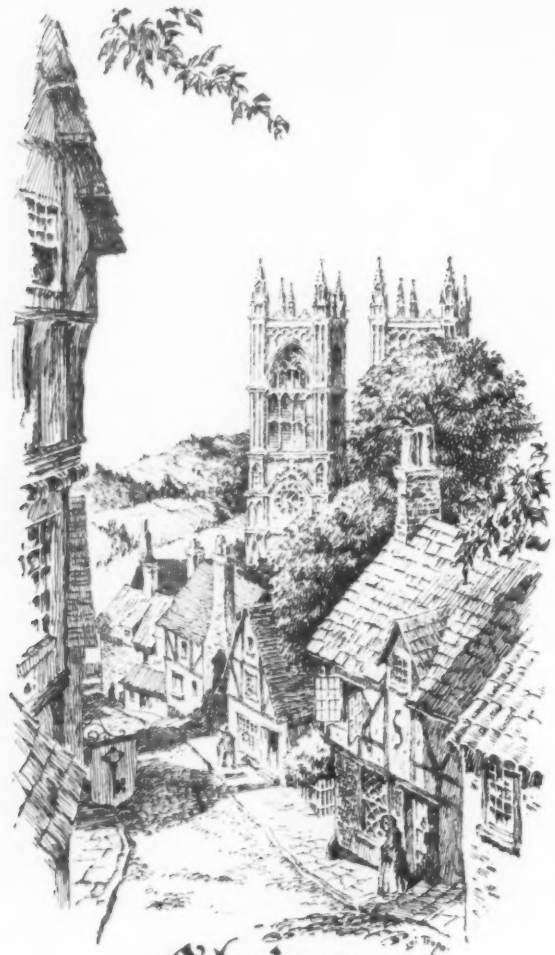

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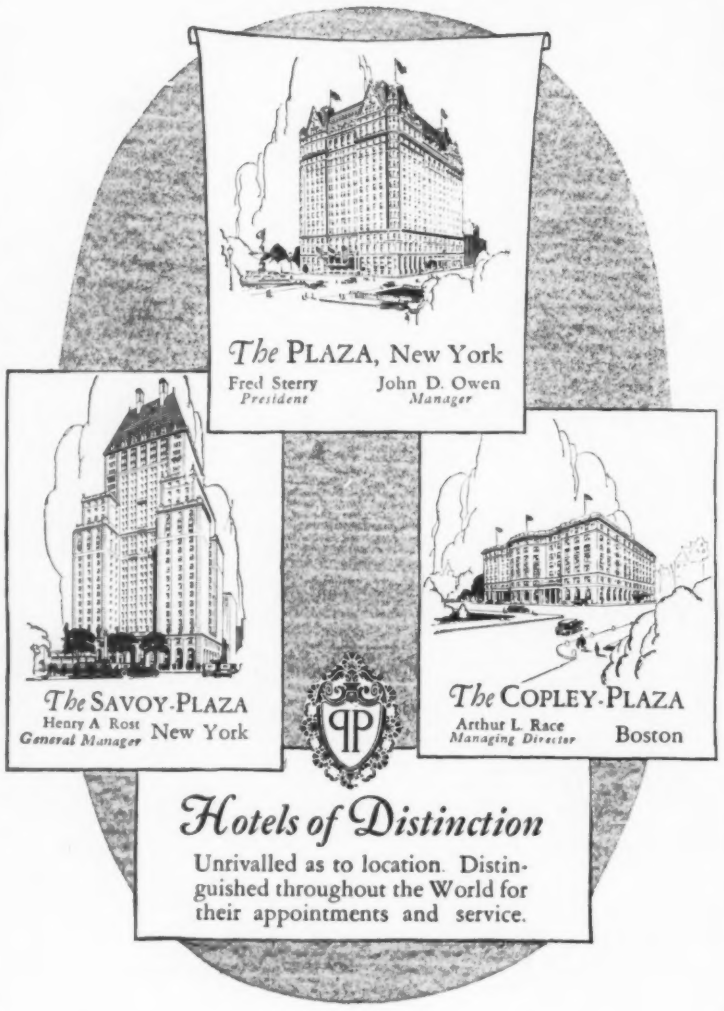
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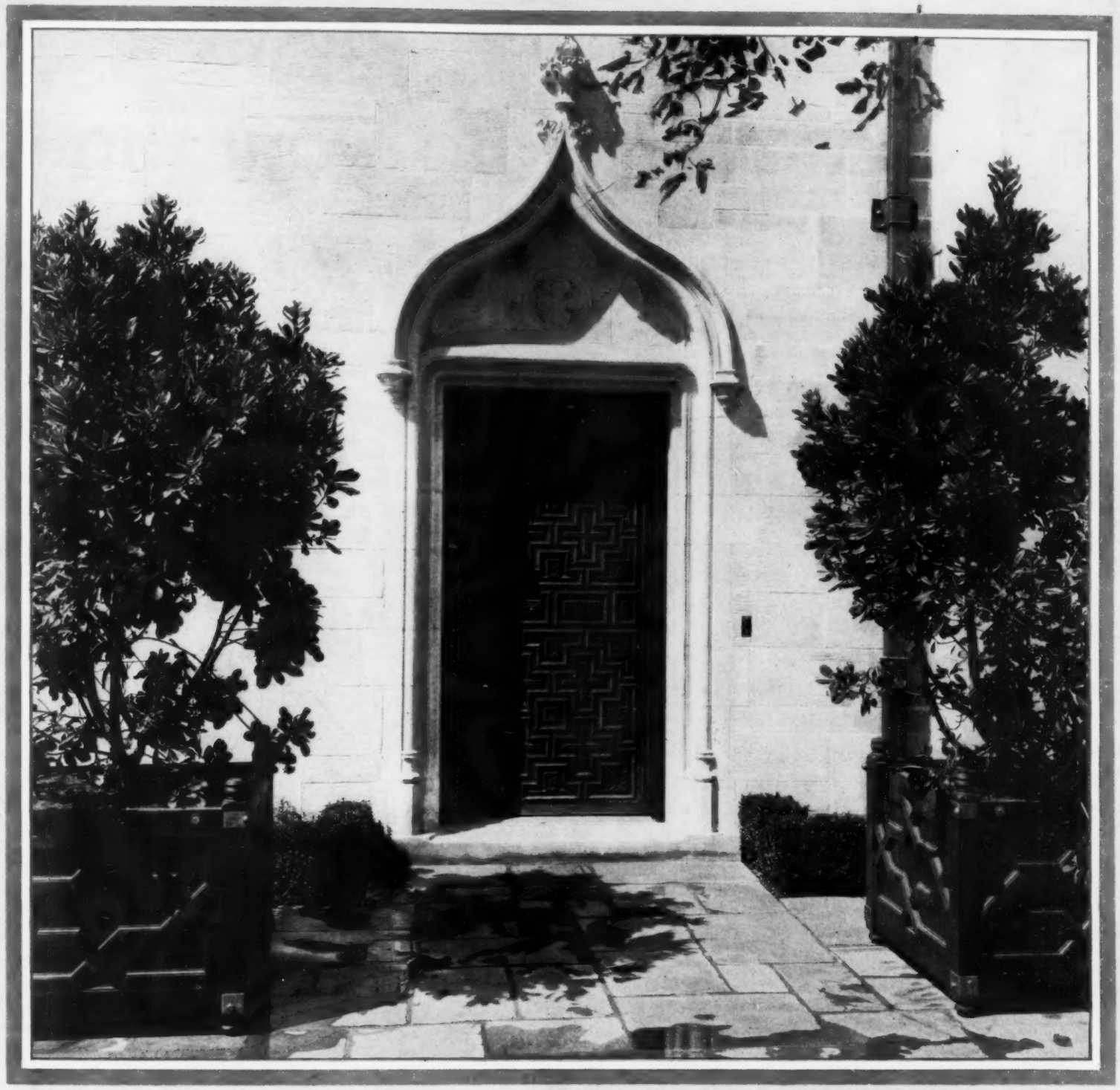

Detail, Residence, Beverly Hills, Calif. Gordon B. Kaufman, Architect.

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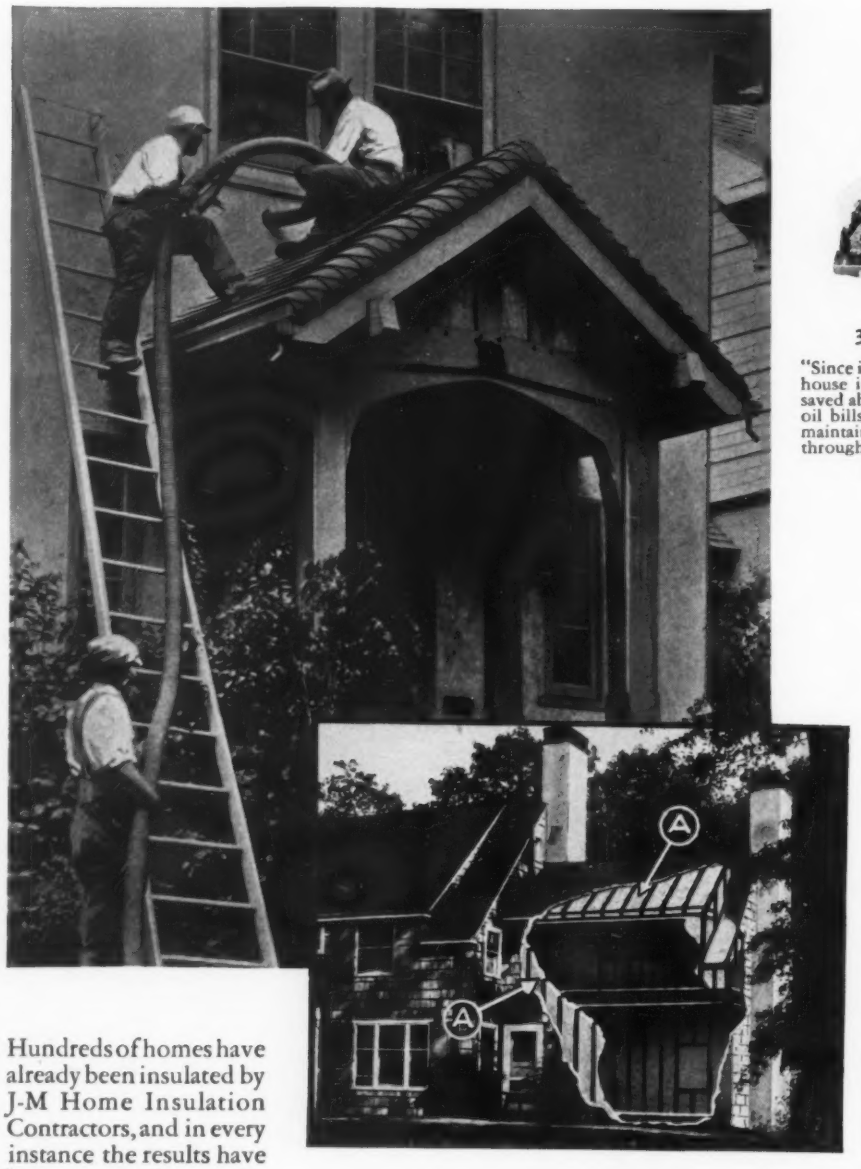

The artist has cut away part of this house to show how the J-M Home Insulation (marked A) fills solidly all the space between studs, and between rafters. This invisible wall has an insulating value equal to more than ten feet of solid concrete.

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HOME INSULATION

BEFORE YOU DECIDE UPON material for your Spring decorations, be sure to see the loveliest creations ever offered in cleanable cloth wall covering.

Sanitas celebrates its twenty-fifth anniversary this year with an entirely new group of modern and period designs for every room in the house.

Sanitas combines beauty and durability—doesn't fade, crack or peel. Sanitas can be distinguished from substitutes by the Sanitas trade-mark on each roll. Look for it for your own protection.

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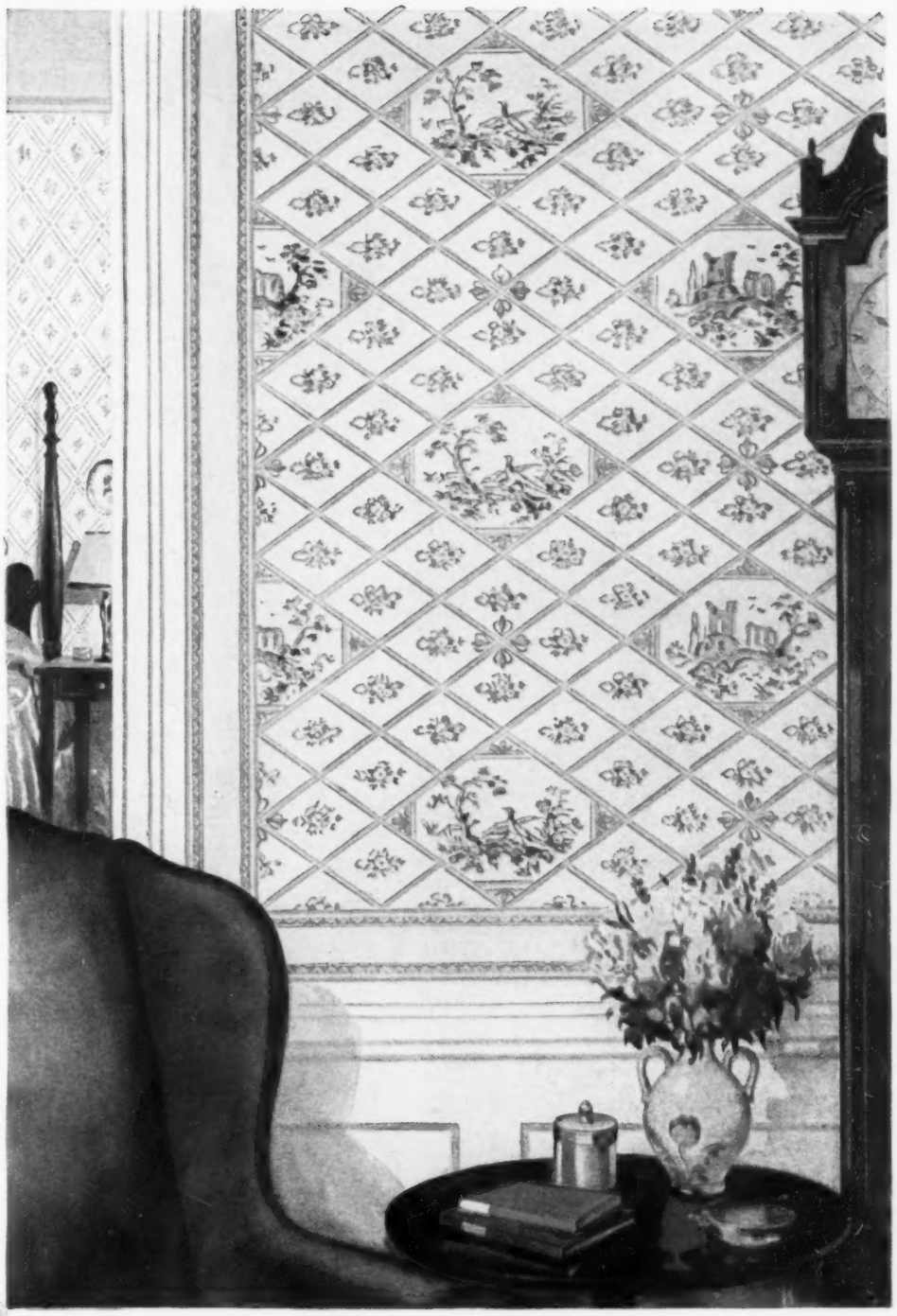

Ask your decorator to show you the Twenty-fifth Anniversary Sample Book of Sanitas.

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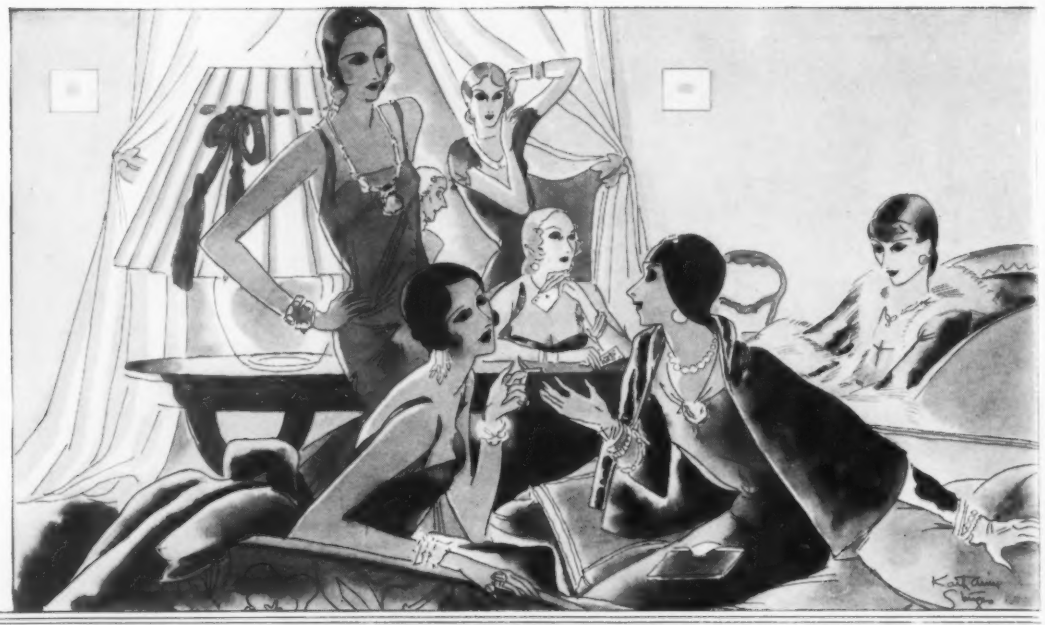
SANITAS
MODERN WALL COVERING

Let the Ladies have their 76°



—the Men their 69°

Now — room-by-room temperature control

Modern woman's scanty raiment brings the need for more heat in homes than is comfortable for wool-clothed men. Today a uniform temperature throughout the house cannot satisfy every member of the family.

Heating engineers have kept pace with Paris couturieres. They have made it possible to deliver to each room as much or as little heat as its occupants desire, without effect on other rooms. They have developed the *modern* heating system; the system with room-by-room temperature control; *Hoffman Controlled Heat.*

In homes equipped with Hoffman Controlled Heat, the touch of a finger on the lever handle of the radiator valve commands that radiator to deliver full heat, three-quarters, half, one-quarter or none at all. Action is sure and prompt.

Heat is generated only as the call for heat increases. Thus there is no waste. Operated under low pressure (4 to 6 ounces heats large homes) fuel costs are drastically low.

It doesn't matter what standard boiler and radiators you select. It doesn't matter whether you use oil, gas or coal as fuel. You can add the equipment that makes it a Hoffman Controlled Heat system. This equipment comprises (1) Hoffman Modulating Valves and Return Line Valves for radiators, (2) the accurate Hoffman Damper Regulator, (3) the Hoffman Differential Loop, and, (4) the Main Vent. When properly installed, the system is guaranteed by a conscientious maker, to operate for years as promised in this advertisement.

Before you buy or build that new home you are urged to investigate this substantial advance in heating methods. It is a simple matter to get all the facts. Merely send for the Hoffman Controlled Heat booklet. Address the Hoffman Specialty Company, Inc., Dept. H-21, Waterbury, Connecticut.

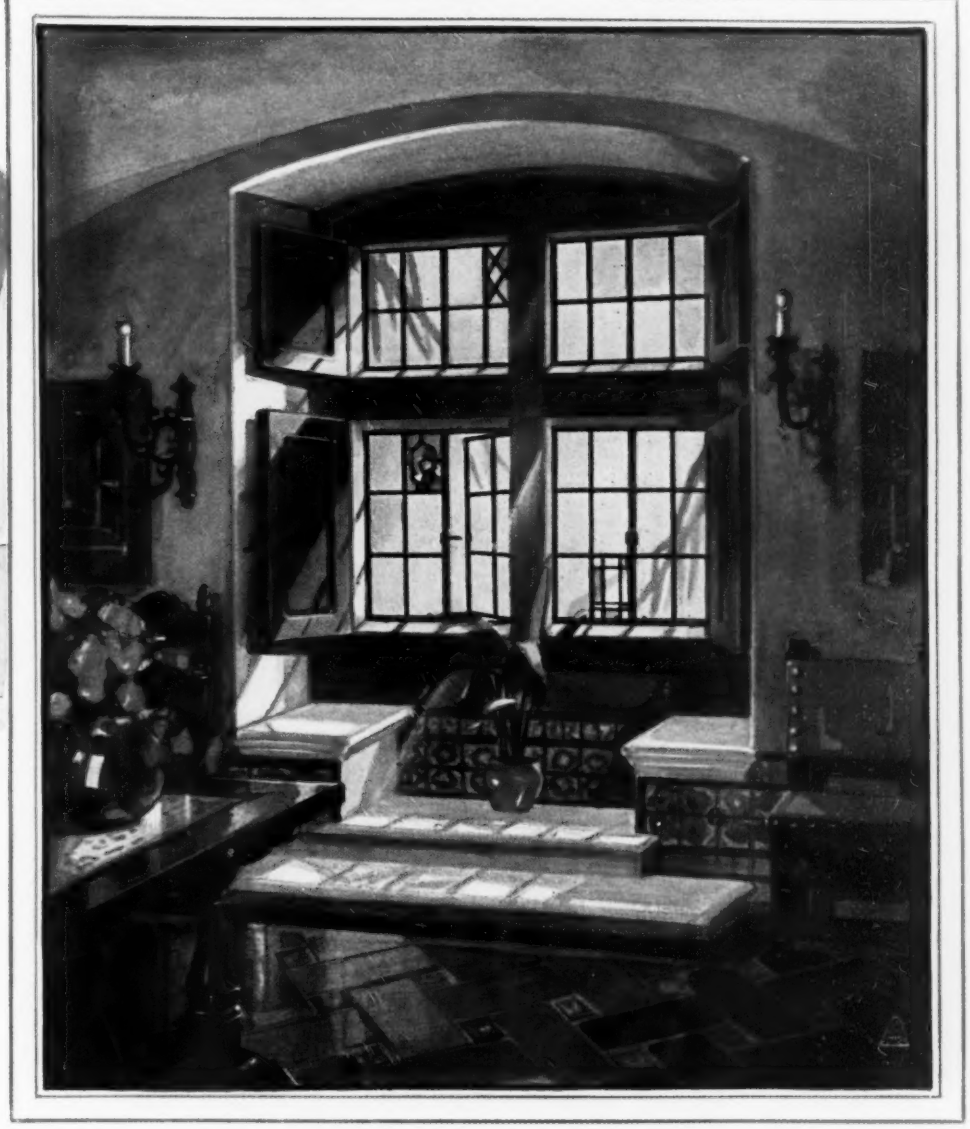
Swing the lever handle of this little valve, and command the radiator to deliver (quickly) as much or as little heat as you desire, without effect on other rooms.

HOFFMAN CONTROLLED HEAT

Gaily paned windows

add color to a Spanish type home

D*esigned by* **CRAM & FERGUSON, A***rchitects*



FOR a home inspired by picturesque old Spanish dwellings, architects Cram and Ferguson of Boston sought the graceful lines and glowing colors of windows designed in long-ago Seville. They found them in Fenestra "Fenwrought" Casements (screened).

These casements reproduce the beauty that lures travelers to Spain . . . harmonize with the rich tiling of floor and alcove, the deep-toned leather upholstery and the stately simplicity of furnishing . . . they are designed for years of comfort and convenience. Permanence, fire-safety, lasting satisfaction are built into the rolled steel frames, the attractive hardware and wide swinging leaves with their small, attractive panes.

Of equal importance, Fenestra "Fenwrought" Casements may be washed on the outside from within the room . . . eliminating all the old hazards of window washing. A finger touch opens them wide or closes them snug-tight. No weather strips are needed. And, unlike ordinary windows, they do not stick, warp or rattle.

Now — Casements and Screens
Through One Manufacturer

It has remained for Fenestra to offer a screen of enduring bronze, designed to fit flat against the inside of the casement frame. The swing leaves of the casements are opened and closed *through* the screens and *without touching them.* Yet the screens are exceptionally easy to remove.

Whether you are planning a Spanish type house or one in any other old or new architectural style, you will find Fenestra "Fenwrought" Casements (screened) both beautiful and practical. And they're economical for any home.

* * *

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Please send me without cost or obligation:
"Decorating with Casements," containing many beautiful color plates.

My Name .....

Street .....

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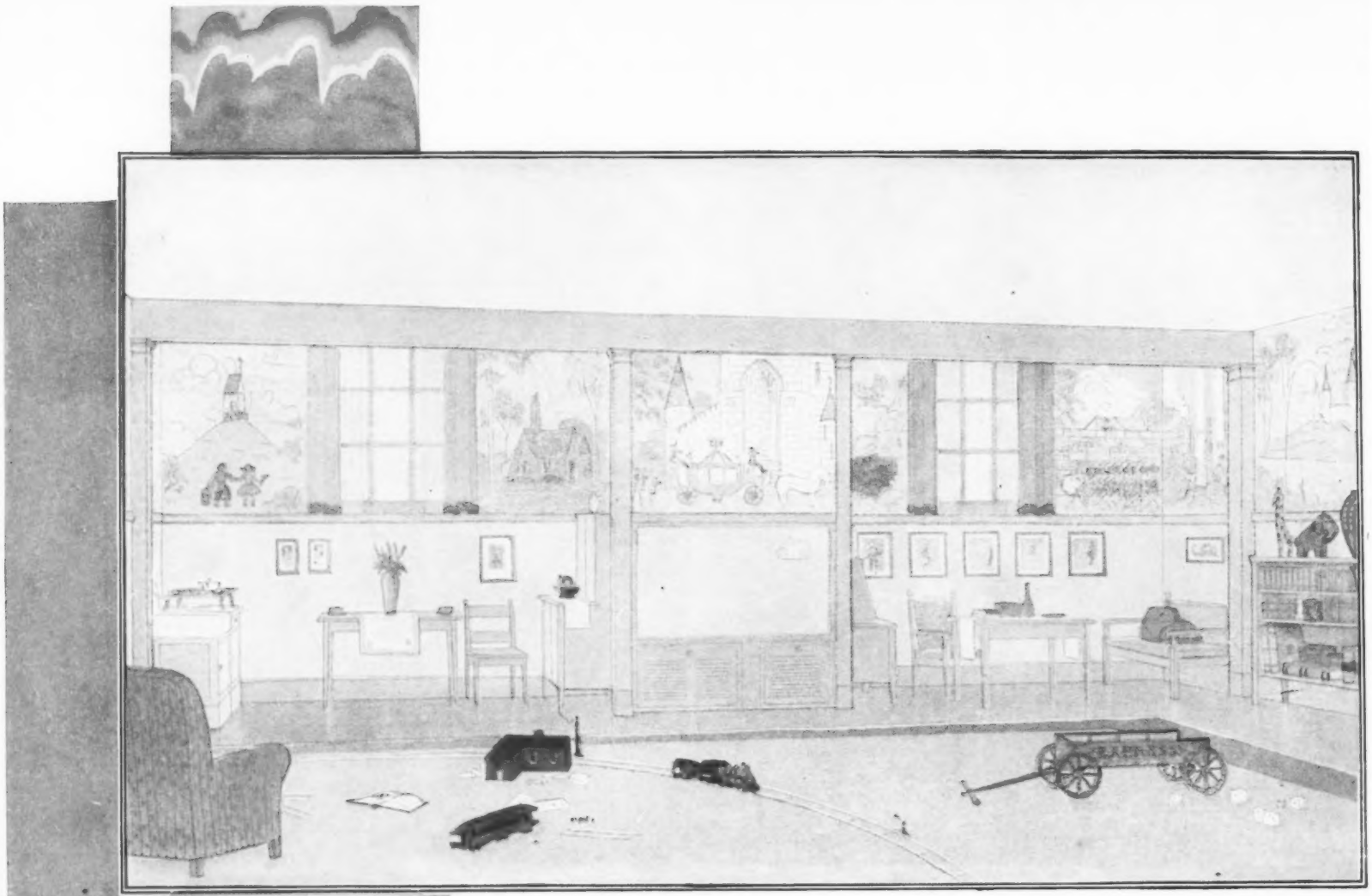
Fenestra FENWROUGHT CASEMENTS {SCREENED}



THE LIVABLE BASEMENT

enlarges your home at little cost

THE possibilities of the modern, livable basement in the gas-heated home are fascinating and endless. A whitewashed room for a gymnasium or work-shop—a children's playroom with inexpensive composition board walls as in the color plate above—a masculine den with colored concrete floor and harm-proof furniture—or an extra recreation room, for entertainments and dances, decorated and furnished on a par with the upper floors. These and many other uses can be served by the basement in a home where the heating plant is silent and odorless, brings no dirt or grime into the house and generates none.

Set aside an adequate portion for laundry and storage and the rest of the basement can then be made a spacious addition to the livable area, because Bryant Gas Heating is "as clean in the basement as it is in the picture."

This change from the old-style cellar to the modern basement is not limited to new residences. Bryant Gas Heating makes the transformation possible in the majority of old houses.

And gives you a larger, cleaner home within the same four walls

With a Bryant Boiler or Furnace in your basement you can

- —throw away your coal shovel
- —junk your ash can
- —eliminate all fuel storage of any kind
- —make a single match your winter's kindling
- —tend furnace by the calendar, not by the clock
- —greatly lighten the daily housework
- —save rugs, paint and upholstery and postpone redecorating
- —do away with dangerous ups-and-downs of inside temperature
- —hold temperatures constant within a single, thermometer-measured degree
- —live in a warm house, sleep in a cool one
- —laugh at blizzards
- —enjoy winter
- —and *let your pup be your furnace man!*

BRYANT Gas Heating is applicable to steam, vapor, hot water and warm air systems in old houses and new residences, large and small. Hundreds of Bryants have given upwards of fifteen winters of dependable heat, without requiring repairs or replacements of any kind and with no more "servicing" than annual fall inspections. Some typical comments from Bryant owners are reproduced at the right.

Read them—then write for complete information about Bryant Gas Heating and how you can determine in advance the cost of its installation and operation in your present home or the one you are planning.

THE BRYANT HEATER & MANUFACTURING COMPANY
17846 St. Clair Avenue **Cleveland, Ohio**

In a Bryant gas-heated basement no fuel bin or tools consume otherwise useful space

The new Model 45 Bryant Boiler, with its stream line, crystalline-finish cabinet, needs no partitions or screening

Bryant Model 45 is, in itself, a handsome piece of basement furniture, harmonizing with any surroundings

ASK BRYANT OWNERS

what they think of Bryant Gas Heating and you will hear these sentiments duplicated. All of the following are quoted from letters voluntarily written to us:

"We think it the greatest material blessing we have ever enjoyed."

"If it were not for our Bryant, I think we would be back in an apartment again."

"I'd give up my personal automobile before I'd give up my Bryant."

"We went away last month for a week, leaving a new maid in the house. With any other heating plant I'd ever heard of we couldn't have dared do that. She never even saw the boiler while we were gone."

"I am everlastingly grateful that you kept prodding me until I installed my Bryant."

"Let me know if any neighbor of mine shows any interest in a Bryant. I'll give him enough heavy argument to sell him, hands down."

BRYANT GAS HEATING

©BHMC

50% of all serious residence fires originate in the basement . . .

. . . and most of this tremendous fire loss would be saved were the homes built with HAVEMEYER Steel Joists for the ground floor!

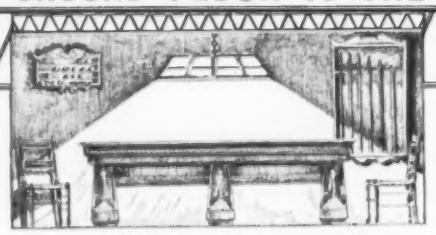
Aside from fire-safety, the Havemeyer Steel Joist has other advantages that recommend its use for the ground floor in homes, even homes of moderate cost!

It makes a floor that will not shrink, sag, spring or warp, thus minimizing cracking of plaster on walls and ceilings. It gives a clear, spacious basement without pillars or supports of any kind. It saves in foundation and framing costs. It insures the utmost in strength, rigidity and performance. It provides maximum sound-proofness and freedom from rat and mouse annoyance. Finally, it is low in first cost and easy to install.

Simplicity of Havemeyer Steel Joist Construction:

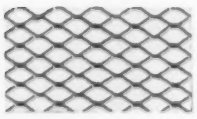
Place Joists—a common labor operation, two men can handle any joist;
Apply metal lath and fasten;
Pour concrete on metal lath—no forms necessary, no skilled labor;
Apply finishing floor and plaster basement ceiling.

THE GROUND FLOOR IS THE LIFE LINE OF YOUR HOME

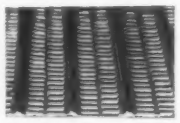


. . . A clear, usable basement!

HAVEMEYER FIRE-PROOFING PRODUCTS



Havemeyer flat lath is an expanded metal product made from sheet steel, painted or galvanized; copper bearing steel; or pure iron.



Havemeyer rib lath is furnished in easily-handled sheets. Ribs are straight, absolutely uniform and reinforce the lath to provide maximum strength and rigidity. Prompt shipments.

Havemeyer Fire-proofing Products include all types of metal lath, expanded metal, corner beads, channels, angles and similar products used in the construction of fire-proof dwellings and buildings of all types.

H & G

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WILLIAMS Oil-O-Matic heating has won world leadership by heating far more homes than any other oil burner! This success is partly because of economical operation but more by reason that an Oil-O-Matic burner installed in your present furnace or boiler banishes *all* heating worries.

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Whether your heating problem is a town house or a large estate, a hunting lodge or a Southern place, an automatic Oil-O-Matic fuel oil burner will do the job best. The famous Model J Oil-O-Matic and the lower priced new Oil-O-Matic Junior are also suitable for greenhouse, garages, servants' quarters and other buildings.

Call in the Williams Oil-O-Matic dealer for helpful heating service. Back of his experience is the Williams factory whose fuel oil burners are heating far more homes than any other make. Consult telephone directory for the name of the nearest Oil-O-Matic dealer or tear out and mail this coupon. Enjoy care-free summer warmth in your home next winter.

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... BUT HE LEARNED A LOT MORE ABOUT THEM

LAST NIGHT Phil brought the architect home, and we were admiring the house all over again. It is lovely. "Rather fine work there," said Phil, nodding at the staircase—though he didn't know any more about woodwork than he thought *I* did!

Mr. Wallace smiled. "Well, it ought to be. Your builder had definite instructions to use Pondosa Pine all through the house—stairways, doors, window frames and all. You know, it used to be that I could only tell them to use 'pine'—with no species name or anything else to qualify it. Then these people out West started marking their pine with the pine tree trade-mark. Now, every bit of lumber in that good-looking stairway of yours is really backed up by these mills—for the builder made sure the trade-mark was on every piece he used."

☼ ☼ ☼

It is important that the staircase, because of its prominence, be architecturally correct. But it is equally important that it be practical and usable in every way. Pondosa Pine is an ideal wood for such purposes. Because of its workability, it is especially adaptable for use in difficult angles and curves, in delicate moldings, turned balustrades and newel posts, and in fitting treads, risers, and balusters.

And Pondosa Pine stays put without shrinking or swelling. It nails down tight, eliminating squeaks. This good wood enamels well, holding a fresh, beautiful surface . . . it can be stained and varnished, of course. . . . Pondosa Pine is widely distributed; you may buy wide widths, or clear pieces for wall paneling so often used in staircases, at reliable lumber yards throughout the country. Such yards carry well-assorted stocks ready for quick delivery. And you can be absolutely assured of receiving genuine Pondosa Pine if you will look for the pine tree trade-mark. Western Pine Manufacturers Association, Portland, Oregon.

Pondosa Pine

The Pick o'the Pines

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THE ENGLISH BULLTERRIER

Robert S. Lemmon

WHENEVER anybody mentions the Bullterrier my thoughts go back to a certain "white un" which, years ago, used to leave his home three blocks away promptly at six o'clock every evening, climb five flights of stairs to my apartment and, after a polite call which included the consumption of a half-dozen crackers and a modest drink of water, would return to his own fireside with the greatest aplomb I have ever seen in a dog. Why he made such a ceremony of his visits—or, indeed, why he ever came at all, except that he had struck up a casual friendship with me on the street—was never explained. Perhaps it was merely because he was that kind of a dog!

The reason for dragging such a personal story into space intended for practical interpretation of the various dog breeds is simply this: it illustrates a prominent characteristic of true Bullterrier nature. For this pure white, satiny, supremely capable fellow with the heart of a courageous gentleman and the figure of a Greek athlete is always thinking of things and doing them with the utmost coolness and neat despatch. His brain is as efficient and self-controlled as his body.

It is not easy to describe the Bullterrier adequately, especially in a limited number of words. To say that he is loyal, brave, strong and deeply devoted to his master and

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Sired By Int. Ch. Laund Lukeo, Ch. Honeybrook Highstepper, and Ch. Wellcroft Winson

MRS. W. F. DREER, *Owner* J. N. LEVINE, *Mgr.*
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all his master's possessions is to account for only a few of his more obvious qualities. Such a summary no more than suggests those subtler traits which make his admirers so intense in their enthusiasm for him. For myself, I have always half regretted that one of his breed did not come into my personal life until after I had sworn allegiance to another member of the Terrier group, for I fully believe that if he had I would have become a rabid Bullterrier man for life!

You can *count on* this sleek, cool-headed rascal. He simply doesn't know the meaning of underhandedness or deceit; he is steadfast to the last degree. As a gentle, patient playmate for children he is just about the final word. If you are looking for a super-watchdog as well as an all-around member of the family, here is a worthy applicant for the job. In his dim, unregenerate past he was a professional fighting dog; today he has come up out of those ranks like a canine Tunney and is a highly respected gentleman.

There is little about the Bullterrier which suggests relationship with the kind of dog we generally expect the Terriers to be. His disposition and movements are free of the nervous tension which characterizes the Wire Foxterrier, for example. Poise of body and mind is the impression he makes the moment you see him. The most unthinkable thing he could do would be to become scatter-brained.

To develop the best that is in a Bullterrier, make a real companion of him. Take him literally and figuratively into the family life and treat him like a human being. Justice, common-sense, consideration and real companionship will bring out and develop its own finest qualities. In fact, these are the Big Four principles which are the basis of every perfect dog-and-human partnership, no matter what the particular breed involved may be.

A Shepherd Puppy

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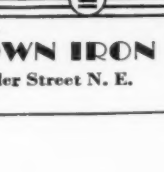

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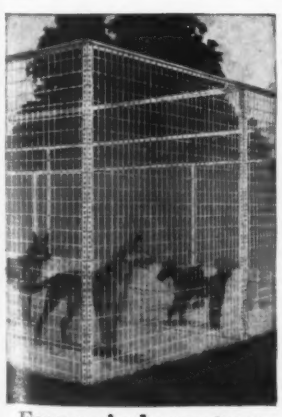

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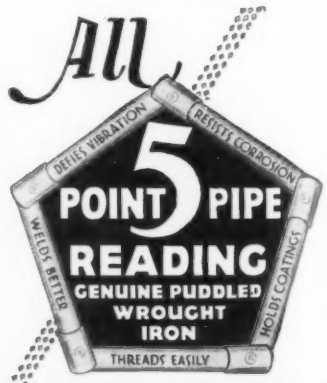

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though you've never painted a stroke!

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"NO" THAT ROOM that you haven't dared to do. Even if you've never painted in all your days . . you can do it . . . and get a done-in-a-fine-shop look, on every piece you try!

Smaller pieces . . . bigger pieces . . . soon your whole color scheme will come true before your eyes! . . . with a "finish" that you'll revel in. A room to make your heart swell with pride!

How can a mere beginner achieve such effects? By using ARTLAC. A new paint . . . an entirely different sort of paint. A paint so easy to use, it's merely a matter of picking up your brush and beginning! No trick "technique" is needed . . . just stroke it on . . . ARTLAC levels out brush-marks, joinings, rills and ripples . . . into a lovely satin surface . . . smooth as the finest tile!

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You needn't bother to scrape old pieces down to the wood. Think of the time and energy you save! All ARTLAC needs is a smooth, clean surface. Though, with many paints, it is risky to paint over old paint or varnish, with ARTLAC you'll never have any trouble . . . it won't seep under old surfaces and "lift" them . . . making them buckle and bulge. You'll have no trouble with ARTLAC . . . it's a joy to know that ARTLAC *can't go wrong*. On it goes . . . over old surfaces or unpainted wood (the new unpainted pieces are lovely, aren't they?) . . . just wonderfully, satiny smooth!

Best *of all, here are* your *colors . . .*
Colors you'll find in no other paint!

Singing colors! Fresh, clear in tone! Greens . . . blues . . . yellows . . . pinks that leave the old-time pinks far behind! Chartreuse . . . that staccato yellow-green that has just come into decorating! The reds that remind you of the fine old secretaries and serving trays that sell for a fortune in the exclusive shops. Tones sophisticated, subtle, *different!* Ask your dealer for the ARTLAC color card . . . and find . . . *your own pet colors . . . to be had for the first time, in ready-mixed paint!* Here's why:

If you've ever bought artists' paints, you know that the clearest, purest hues are rare . . . bought in smaller tubes . . . decidedly more expensive. Such pigments rarely get into a ready-mixed paint. Yet ARTLAC, created by the largest maker of artists' paints in America, is a blending of some of the loveliest, rarest of such pigments. From over 400 exquisite colors, its 30 smart tones come!

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"March comes in like a lion, goes out like a lamb"—and the old proverb applies to every March day. The biting wind that starts a day with overcoats may be a balmy breeze by noon, inviting the indiscreet to take off wraps and take on pneumonia.

It is changing temperature that makes March so deadly—but in the home that's Spencer heated, outside weather can change its mind as often as it likes. A fundamental difference in boiler construction gives the Spencer its ability to provide, automatically, heat of unusual uniformity at less expense.

Instead of flat grates that must be fed frequently by hand, the Spencer has Gable-Grates that slope down from a magazine where fuel is stored. The natural way for fire to burn is up—and in the Spencer fire does burn up-hill. The natural way for things to fall is down—and fuel rolls down from the Spencer magazine to feed the fire below.*

This fuel feed is truly automatic, for gravitation needs no motors or machines to make things roll down hill. It gives unusual uniformity of temperature, for fuel flows only as fast as the fire burns. As changing temperatures require more fire or less, the fuel feed is automatically controlled by the fire's demands.

The Spencer adds economy to convenience because its magazine and Gable-Grate permit the efficient use of small size fuels. These fuels are low in cost because ordinary heaters are not designed to burn them satisfactorily. The Spencer burns No. 1 Buckwheat anthracite at half the cost of larger sizes.

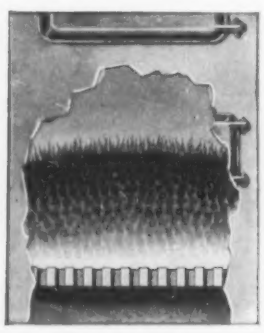
The Spencer Heater for the average home is illustrated above. Spencer Heaters are made in cast iron sectional and steel tubular types, for any size home or building. Sold and installed by all responsible heating contractors.

Where anthracite is not available, small size by-product coke, in a Spencer Heater, will give a more uniform heat, at a cost no greater than soft coal—and generally less.

Write for the Spencer book, "The Fire That Burns Up-hill." It describes in detail how the Spencer Heater, for steam, vapor or hot-water systems, can save as much as half your annual fuel bill. SPENCER HEATER COMPANY, WILLIAMSPORT, PA. Division of Lycoming Manufacturing Company.

*Everybody knows that ordinary heaters require refueling frequently as the fire burns to ash. With a Spencer, fuel is put only once a day into the magazine—illustrated below at (A). Fuel covers the grate to a sloping level controlled by the magazine mouth (B). The fire bed stays at the level shown at (C), for as fuel burns it shrinks to ash (D) and settles on the Gable-Grate (E). As the fire bed shrinks more fuel feeds down automatically from the magazine, which holds enough fuel to feed the fire for as long as 24 hours, with only one shaking of the grates.

FLAT GRATE HEATER
Showing how burning fuel shrinks away to ash – heater must again be refueled



FIRE BURNS UPHILL .. FUEL ROLLS DOWN ..

SPENCER
Magazine Feed
HEATERS
for steam, vapor or hot water

SPENCER MAGAZINE FEED HEATER
*The shrinkage of burning fuel lets more fuel feed automatically from the magazine **

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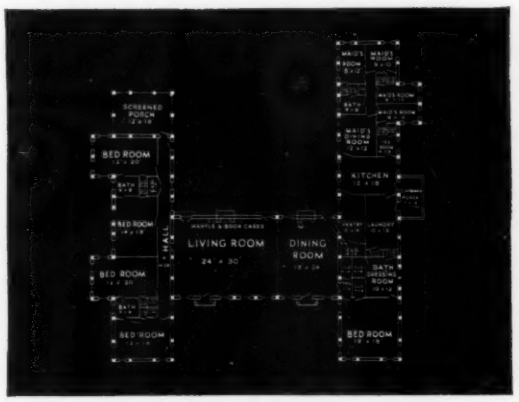
WE MEAN, LITERALLY, THAT IF TODAY YOU HAVE THE SITE FOR A SUMMER HOME, YOU NEED ONLY TO CHOOSE YOUR HODGSON FLOOR-PLAN—AND IN A FEW DAYS YOU'RE READY TO MOVE IN

THE PHOTOGRAPH BELOW shows one of the Hodgson Houses now in use. We built it in sections, shipped it all ready to erect. There it stands, and will stand through the years—staunch, watertight, comfortable, wearing its individual charm with the simple dignity of a dwelling in good taste—in harmony with its background.

We build Hodgson Houses of the finest materials. Selected weather-proof cedar and Douglas fir are used in construction. Walls, floors and roof are insulated with Celotex. The sections fit tightly together, held rigid by heavy key bolts. Your house will last for years without repairs, and you can enlarge it quickly at any time without spoiling the plan. If you've postponed building a vacation home because you dread the confusion, delay and unexpected expenses of building, choose a Hodgson House. You can have it erected with a little local help—or, if you prefer, we will send a Hodgson construction foreman to supervise the whole job.

HERE IS THE FLOOR-PLAN *of the Hodgson House shown below. Our booklet also pictures and prices furnishings, and lawn and garden equipment—bird houses, dog kennels, arbors, picket fences, poultry-houses, etc.*



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HODGSON *Houses*

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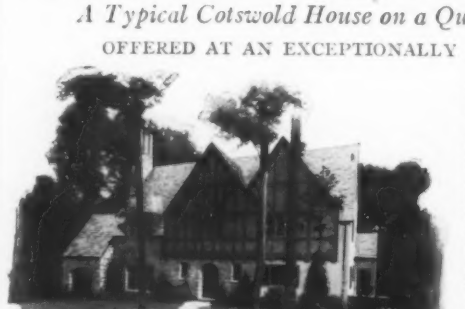

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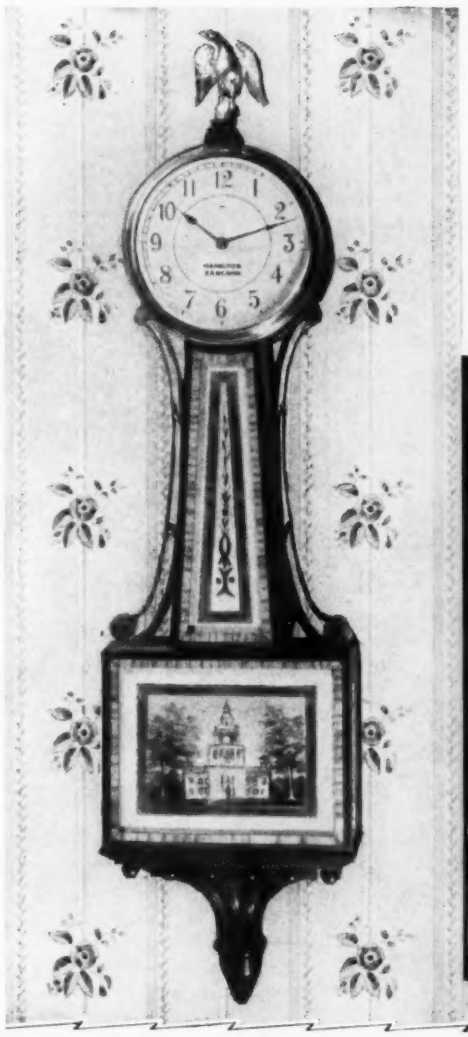

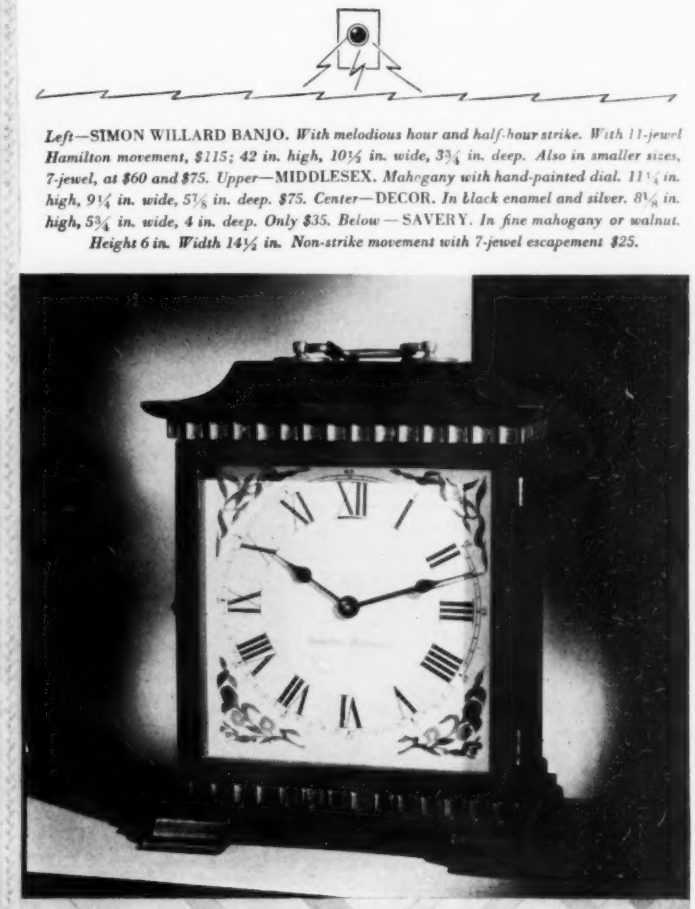

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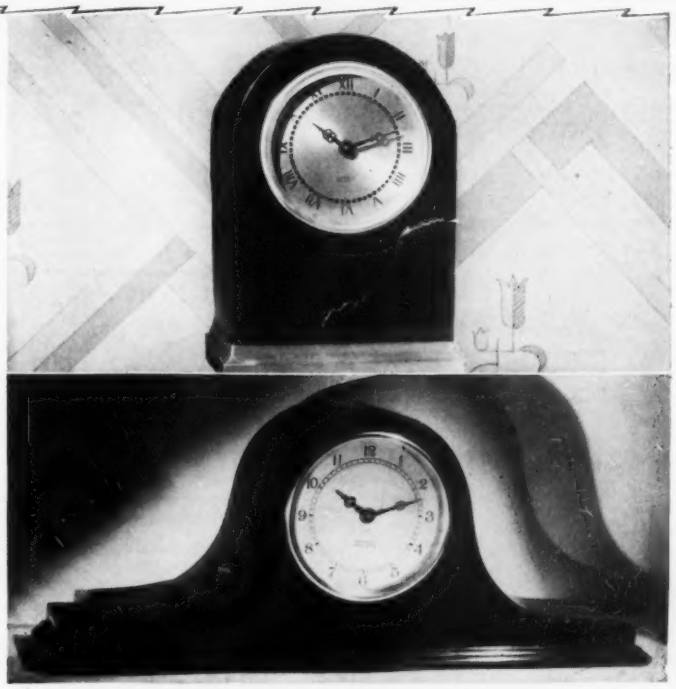

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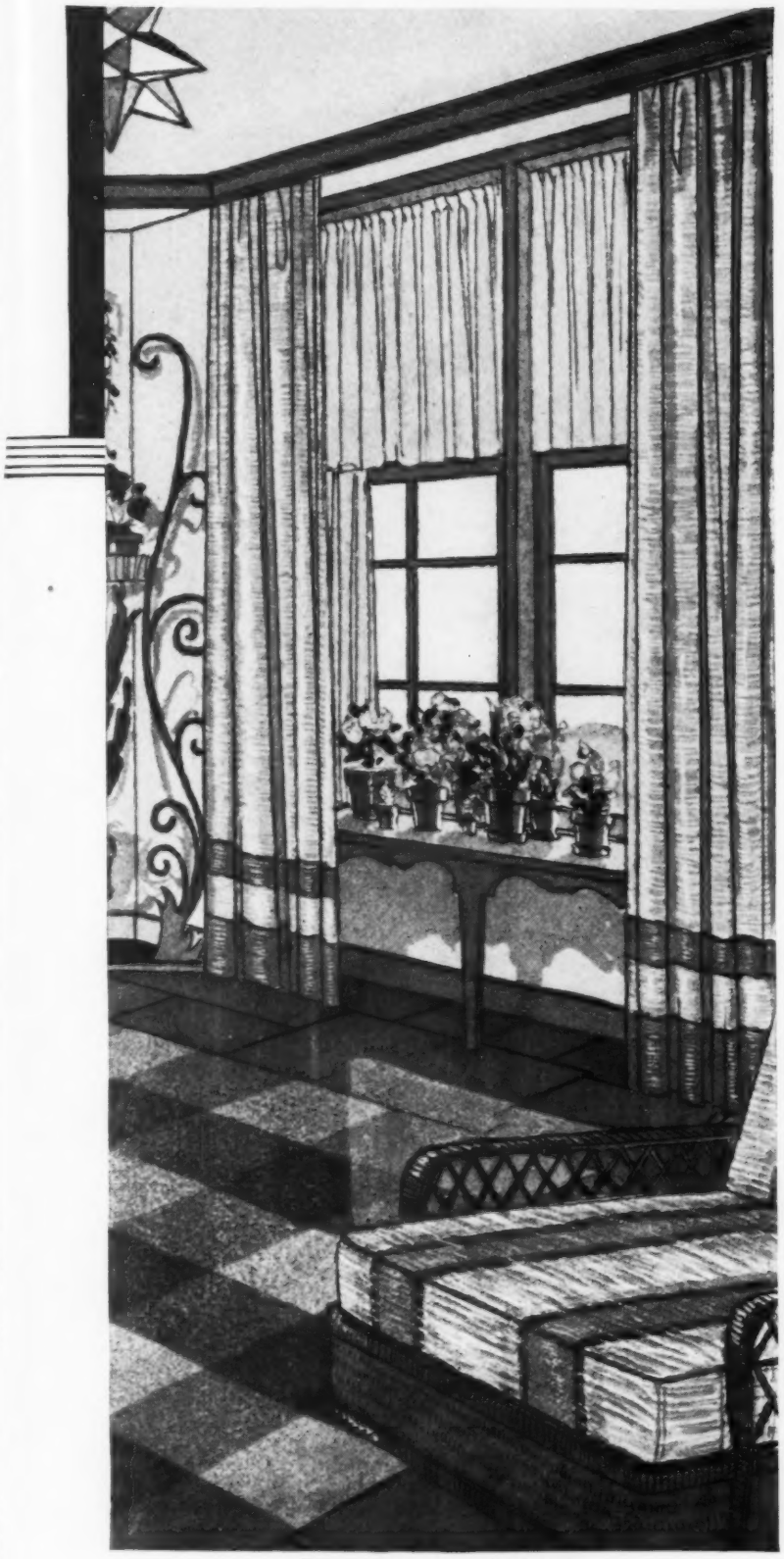

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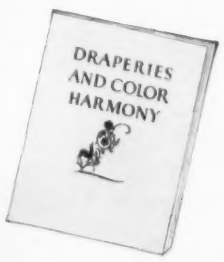

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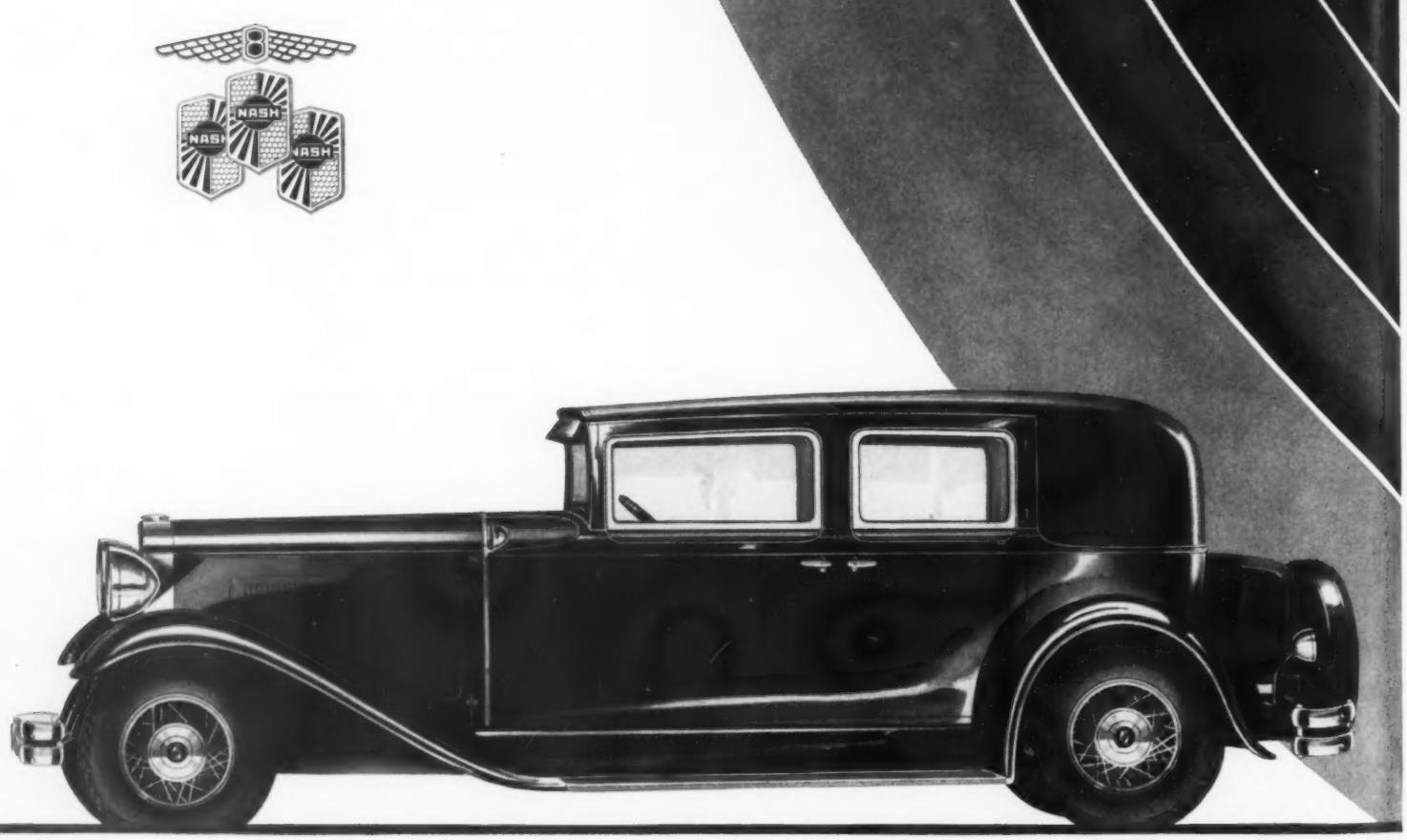

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(1561)

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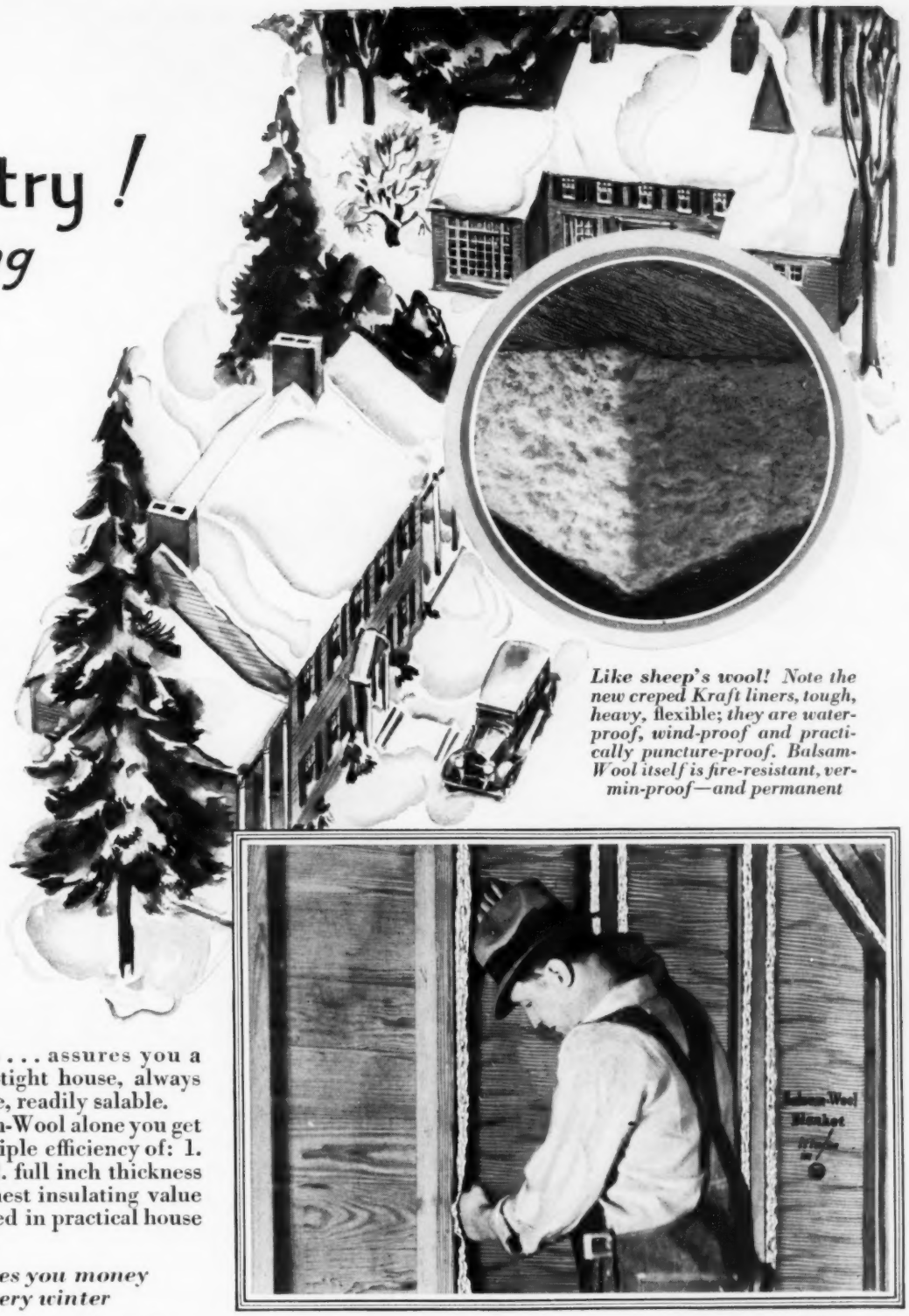
Now it is available everywhere.... true house insulation, a full inch thick and **FLEXIBLE**



Like sheep's wool! Note the new creped Kraft liners, tough, heavy, flexible; they are waterproof, wind-proof and practically puncture-proof. Balsam-Wool itself is fire-resistant, vermin-proof—and permanent

Up where winters are long and rigorous . . . where "40 below" is not uncommon . . .

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HOUSE & GARDEN

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March 1930

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THE coming of Spring is no swift, strong rush that sweeps all before it. Rather is it like the tentative thrust and parry of two skilled diplomats beginning important negotiations. Watching, one thinks of a tinkle of water wearing imperceptibly into rough stone, so gradual is that gentle attack upon Winter's bitterness.

Thus it is in the beginning, but as time passes there comes greater energy in the subtle advance. Warmed by sun and breeze, Spring draws a deeper breath. With May, she steps forth boldly.

Subscribers are notified that no change of address can be effected in less than one month. Address all correspondence relative to subscriptions to House & Garden, Greenwich, Conn.

VOLUME LVII THE CONDÉ NAST PUBLICATIONS, INC. NUMBER THREE

Title House & Garden registered in U. S. Patent Office

PUBLISHED MONTHLY BY THE CONDÉ NAST PUBLICATIONS, INC., GREENWICH, CONN. EXECUTIVE AND PUBLISHING OFFICES, GREENWICH, CONN. EDITORIAL OFFICE, GRAYBAR BLDG., LEXINGTON AT 43RD, NEW YORK, N. Y. CONDÉ NAST, PRESIDENT; FRANCIS L. WURZBURG, VICE-PRESIDENT; W. E. BECKERLE, TREASURER; M. E. MOORE, SECRETARY. EUROPEAN OFFICES, ALDWYCH HOUSE, ALDWYCH, LONDON, W. C. 2; 65 AVENUE DES CHAMPS-ÉLYSÉES, PARIS. SUBSCRIPTIONS, $4.00 A YEAR IN THE UNITED STATES, COLONIES, CANADA AND MEXICO; $5.00 IN FOREIGN COUNTRIES. SINGLE COPIES 35 CENTS. ENTERED AS SECOND CLASS MATTER AT THE POST OFFICE AT GREENWICH, CONN., UNDER THE ACT OF MARCH 3, 1879

Printed in the U. S. A. by The Condé Nast Press

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The BULLETIN BOARD

MOSES AND THE PSEUDACORUS. We are not sure whether the credit should go to Moses or to the mother of Moses or to Pharaoh's daughter, but it might be well, when the directors of some flower group such as the American Iris Society are solemnly casting about for notables to add to their list of honorary members, to consider these three. The young gentleman's cradle was obviously made of plaited Bull Rushes, *Juncus cummunis*, and then his mother "laid it in the flags by the river's brink", none other, surely, than *Iris pseudacorus*. And there, among these water-loving Iris, so the story goes and the young lady herself stated, Pharaoh's daughter discovered Moses. But should this young Egyptian damsel have the honors? She went to the river not to admire and pick the flowers, but to bathe. No, the credit should go to the mother, this daughter of Levi, who chose a clump of *Iris pseudacorus* for what has been handed down to us through the centuries as the first Foundling Home.

A BOOK ON CABINS. At this season of the year the urge to do something about a place in the woods impels so many of our readers to ask for a book on the subject that we take this opportunity to suggest *The Real Log Cabin*, a splendid volume by Chilson D. Aldrich. Those who contemplate remodeling an old house should read *Redeeming Old Homes* of which Amelia Leavitt Hill was author.

SCHOLARS EN ROUTE. Speaking of books, we may be permitted to mention that *House & Garden's Book of Color Schemes*, which is enjoying a phenomenal sale, contains seven pages in color by Consuelo de Yoanna, who was the first student to win the House & Garden Scholarship in the New York School of Fine and Applied Art, a scholarship which affords a course of study abroad. The present holder of that scholarship is Robert Schroyer, who, in addition to being an excellent student, found time to work his way through school.

Two other of our scholars en route are at the present time traveling over America studying landscaping and architecture. They are Sanford C. Hill and B. A. Strauch, who recently have won the Condé Nast American Fellowship at the Foundation for Architecture and Landscape Architecture at Lake Forest, Illinois.

TO A TREE IN SPRING

What a Still Flame you are!
  Like most things great and rare
Deep-rooted in the earth;
  So, roofed with starry air!
The world should learn from you
  That trust in earth is sound
And hopes that leaf on high
  Must first strike roots in ground!

HARRY KEMP

DESIGNS FOR SMALL HOUSES. So abundant and easily acquired are good designs for small houses that one wonders why so many poor ones are built. Either people who want the ultimate minimum of house are not aware of these plans being available or else they do not know a good design when they see one. Good design starts with a plan, not with an exterior style. Any well-trained architect, given the desirable plan, can usually make it fit any type of architecture. Most laymen, however, first visualize themselves as living in a certain style of house—and the rooms are made to fit that style. Or else, having fallen into the hands of a jerry-builder or an idea-less real estate operator, they are led to believe that exterior gewgaws comprise attractive architecture.

These scattered thoughts came to us recently when we received from the Kansas State Agricultural College at Manhattan, Kansas, its Bulletin No. 23 containing designs for Kansas farm homes. Rarely have we encountered so many good plans and so much sane and commendable architecture in so small a space.

WHAT GRANT THORBURN SPARED US. In his diary Grant Thorburn, America's first seedsman, states that he started his business in New York in 1799 with "three pots of Geraniums, a monthly Rose and $15 worth of seed" and, so this account continues, "the seeds grew till they filled the whole continent, the Rose blossomed until it spread into a tree." Had Mr. Thorburn begun his horticultural career with three rhizomes of Iris, we dread to think what would have become of the continent, so fast does Iris multiply. This, by the way, should serve as a warning to those who foist onto the market new seedlings that are questionable improvements on standard varieties. And this is certainly applicable not only to Iris, but to Delphiniums, Roses and many other flowers as well.

NEW BOOKS. From the welter of new books spilling from the press this spring only a handful so far have made any great difference. To the modernist world Paul T. Frankl's *Form and Reform* will prove to be a much-needed and sane statement of contemporary taste. Its abundant illustrations are enlightening.

Among gardening books the selection is wider. The Iris enthusiast simply will not be able to get along without the *Alphabetical Iris Check List* edited by Mrs. Wheeler H. Peckham and issued by the American Iris Society. Nor will the Rose devotee in his wanderings rarely find such a comprehensive and practical volume as J. C. Nicolas' *Rose Manual*, an encyclopaedic work by one of the best-posted Rosarians in America. If one seeks garden verse, let us recommend *Where The Bee Sucks—A Flower Anthology*, containing poems chosen by Iolo A. Williams and color pictures of flowers by K. Cameron. From England come two little volumes—*Wild Gardening* by E. H. M. Cox, who lectured in this country last winter, and *The Anatomy of Dessert* by Edward A. Bunyard. Mr. Cox's book needs careful adapting to our climates, though the general principles are universal and sound; Mr. Bunyard's treatise on fruit is sheer delight. It should take its place among the great works on gastronomy—beside Brillat-Savarin's *Physiology of Taste* and Ellwanger's *Pleasures of the Table*.

We hear, too, that important books will shortly be issued by Mr. Ernest H. Wilson and Mr. John Wister. Mr. Wilson's latest contribution, we understand, is a monumental work on trees. And those who have enjoyed Old Doc Lemmon through many years of *House & Garden* will rejoice to know that his rural philosophy in greatly expanded form is appearing this spring in a book entitled *Old Doc Lemmon*.

REVELATIONS IN A GARDEN

I have a garden, a crazy quilt garden,
Nothing set in order, nothing set in plots.
Nasturtiums and Asparagus are next door neighbors
To Potatoes, to Pansies, to blue Forget-me-nots.

Why have a garden like a red and black chess board,
The flowers by family, the vegetables by tribe?
If the lamb and the lion shall lie down together,
Why not the Rose and the Cabbage side by side?

HILDA E. WOODRUFF

GRACE BEFORE MEAT. Despite the people who claim they are too intelligent to believe in such things, there are still countless families where Grace is said before meals. We found one the other day where the small children could recite Grace in a dozen different languages. The guest named his language and the children supplied the prayer in that tongue. Someday we may go back there and teach those boys Robert Herrick's poem—

Lord, I confess, too, when I dine,
The Pulse is Thine
And all those other bits that be
There placed by Thee—
The Worts, the Purselain and the mess
Of Water Cress.

In the old times Purselain—the common garden weed—was relished as a salad. It was also pickled and made into soup. As we view it today, a much better deserved place for it would be the garden incinerator!

Harry G. Healy

The Tale Of An Ideal Rock Garden That Care And Intelligence Made

Louise Beebe Wilder

IT is difficult to believe when looking at these photographs of Mrs. Francis L. Wurzburg's rock garden in Westchester Co., N. Y., that they were made just one year exactly from the time the garden was planted. But such is the fact. A year ago this hillside lay gaunt and unadorned, its great rocky shoulders protruding starkly, its ledges bare, its heights bleak. Today it is graciously clothed with luxuriant foliage and lovely flowers. To one who saw it then and who looks upon it now the metamorphosis seems akin to the miraculous. But thereby hangs a tale.

The story of almost every garden is worth telling and worth listening to; there is in it always so much of what we call human interest. And the story of this garden is no exception in this respect. It is the story of a vision clearly glimpsed and made to come true.

Five or six years ago Mrs. Wurzburg marked this hillside at one end of her place as a promising site whereon to make a rock garden. It might not so have revealed itself to a less discerning eye, for at that time no rocks were visible and it was covered with coarse grass, catbriar, weeds of all sorts, Sumac—Nature's roughage—in the place of which it was difficult to visualize the small and fastidious high-brows of alpine heights. But the vision was held to tenaciously and step by step was brought to the present wholly lovely and satisfying reality. From time to time, whenever opportunity offered, a little work was done in this out-of-the-way corner. First the coarse grass and weeds were vanquished, then the clinging roots of the wild bushes were disengaged, and finally the earth was turned back, revealing the real beauty of the anatomy of the hillside—the soft pinkish-buff stone, finely fissured and stratified—and left to weather for a season or two.

One side path leads ultimately to a miniature putting course, from which the way winds down hill again to an enclosed lawn where a busy mountain brook ends in the quiet waters of a dipping pool. A. F. Brinkerhoff was the landscape architect of this garden

As it lay bare in the searching light this hillside was subjected to a good deal of considering scrutiny and gradually its great possibilities became clear. Here, ready made, was the foundation of a fine rock garden, but it needed augmenting, curbing, softening, extending, as the case might be, and so with rare taste and skill the work of perfecting the contours of this rocky slope was begun so that it might appear a fine bit of rugged natural scenery before a single ameliorating bit of foliage was put in place. And this, it seems to me, must be the basis of all satisfactory rock garden building. There should be, as Reginald Farrer has taught us,

(Top) In the upper crevice of this detail a clump of pale citron Alyssum spills over the rock and at its base is spread a healthy mat of lavender Phlox. This combination of lemon and lavender is a favorite one with intelligent gardeners. Both these plants are satisfied with ample sun and a normal soil

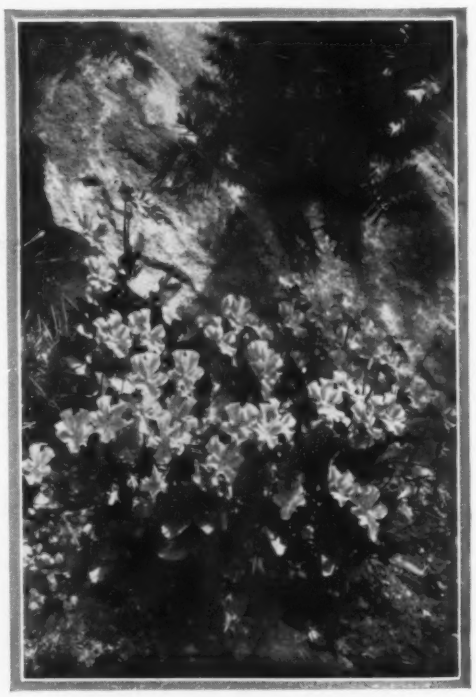
(Above) The clump above the rock in this corner is pink Phlox subulata. At the left of the base is white perennial Candytuft and to the left, separated by a little stone, golden Potentilla. This detail also shows how plentifully the soil is provided with the limestone chips that many alpines need for drainage

(Right) The rock in this garden has a pinkish cast in spots, which was taken into account when the plants were set. Here a tuft of mauve Violas flourish against the pink background and the dark branches of a Yew from above serve for contrast. Such perfect details are found all through the garden

"deliberate beauty about the building itself, quite apart from the plants. When the compilation is finished it ought to look established, harmonious, and of a piece, long before a single tuft has been put in." And it was so in the case of this rock garden; one viewed its naked contours with a distinct sense of pleasure and followed its tortuous paths with a mind racing toward its lovely possibilities. An effect of "linked and unforced naturalness" had been achieved, a harmonious balance and noble proportion between all its parts. The rest was comparatively easy.

But this was not all the story. While the molding of the garden's physiognomy was being so skilfully carried out other work of importance was going forward. Professor Bailey has somewhere said, "To grow such plants (alpines) successfully requires good intellectual preparation, and this should be one of the recommendations of rock gardening." Such intellectual preparation implies a thorough knowledge of alpine and rock plants, understanding of their real needs, their caprices and peculiarities, where to procure them and how, as well as a complete grasp of the possibilities and advantages of your garden in relation to the plants you wish to house there. By the time the structure of Mrs. Wurzburg's garden was completed she was ready to go ahead with no uncertain hand. Huge mounds of homebrewed humus mixed with old manure and some fine grit lay ready to be hauled in and bedded down in the gorges, crevices and hollows, wherever it was needed. Piles of rotted oak leaves and pine needles for the acid lovers, stores of sharp sand, genial loam and limestone chips—all were ready at hand so that the special diet of any plant could be supplied without delay.

And then there were the plants themselves. Literally thousands of them. And



not the fragile attenuated specimens, such as are too often received from nurseries, too young to leave their cradles and in a suffering condition because of a railroad journey in an airless box, but such great and gratifying wads and mats and clumps of hearty green brawn and sinew as would utterly delight the heart of any rock gardener. All of them had been raised from seed in flats and frames under the eye and with the fostering care of Mrs. Wurzburg herself, and later transplanted by this extremely able and indefatigable gardener to a well-drained situation at one end of the vegetable garden where the soil was rich but very light in texture. And here they grew, rows upon rows of them, and waxed fine and healthy until they were needed. Not a weakling among them!

In that perennially delightful little book of Mrs. Ewing's, *Letters from a Little Garden,* she says that "amateur gardener being interpreted means gardener for love," and this must certainly be true of all who essay to grow rock plants; for only love can beget the power to take the infinite pains required to guard and guide these small comers from the far corners of the earth. In Mrs. Wurzburg's garden evidence of this care is manifest on every side; not a thing has been neglected that would make for the health or happiness of her guests, and they abundantly reward her consideration.

When the time came to plant the rock garden it was a unique experience and an inestimable advantage to have such a vast and perfectly conditioned store of plants to draw from. As they were required, the plants were lifted with large balls of earth and reset in their permanent homes with hardly a leaf fluttered. Although it was June and many of them were in full bloom,

(Top) Against the pink and blue of Mertensia in the background of this miniature pathside planting is scattered the Buttercup-yellow of Jonquils. Farther along are Tulip species. All these disappear after flowering, when the area is sown to some colorful small annuals such as Nemesia or mixed Alyssum

(Above) In selecting plants for this rock garden they fell into three groups—the rare alpines which were raised from seed, the wildflowers of the Adirondacks which were collected, and those native flowers indigenous to the countryside of Westchester County. Among the last is the Wild Pink

(Left) The beauty of a rock garden is the beauty of gems; one must be able to enjoy color and contrast compressed in a small compass. Therein lies the delight of this glimpse in the Wurzburg garden—the pure white crimped petals of Silene alpestris scattered like foam at the base of a seamy gray rock

The rock garden on the place of Mr. and Mrs. F. L. Wurzburg at Bronxville, N. Y. occupies a wooded knoll at one end of the property. The soil was stripped down to the rock and the rock left to weather a year before a single plant was put in place. On this basis the garden was built. Many trees and shrubs were moved in but the majority of the plants were raised from seed

not a plant or shrub was lost, hardly a flower so much as dipped its colors. Each evening after the sun had gone down the garden was carefully and thoroughly watered, and each morning it appeared as if it had been transported bodily from the Elysian fields—so fresh and pristine and unsullied was its countenance. Huge shrubs, both deciduous and evergreen, were put in at this time with practically no loss.

But in spite of all this wealth of material, the furnishing of the rock garden has been carried out with admirable restraint. It is nowhere over-planted or crowded. Each plant has been given the situation that best answers to its physical needs and which displays it to the best advantage, and the beauty of the rocks themselves is allowed full play.

The paths that wander up and down dale and around about the hillside and its environs are well laid out and carefully constructed. Flat stones are sunk flush with the

soil—which is of the same good loamy quality that is found elsewhere in the garden—and small creeping things cluster along the verges and run between the joints, tying the paths into the rest of the construction. Here we find *Mazus rugosus* and the creeping Thymes made good use of, with *Veronica repens* and the hot-scented *Mentha requieni* where the path dips low and is apt to be dampish. Wherever an ascent occurs stone steps are built in and these are strongly and firmly constructed so that the wanderer need not fear a wrenched ankle.

Choose any of the paths that make off in various directions and it will lead you to certain delights. Take this one to the left and follow it up a rocky flight of steps, in the crevices of which many small treasures are happily settled, and you will presently find yourself descending a gentle slope through a shadowy bit of woods where

(*Continued on page* 130)

Beside the more commonplace and easily grown alpines, the garden contains its quota of rare and difficult plants. The Saxifrages are well represented, both the encrusted and the mossy sections. On the opposite page is an encrusted Saxifrage in an ideal situation, in well-drained, gritty soil. The Pink family, also, is abundantly represented and grows with a fine exuberance

Country Conversations—Old Small Talk For New Rustics

AMONG the delights that come to the city man who goes to live in the country is his encounter with rural conversation. It is as fresh and different from the talk of cities as country air is different from the murk that hangs over city housetops and settles in the canyon of avenues. Growing from the soil, as ever much as trees on a mountainside, the argot of the countryman is a product of his own natural environment. And though the radio, the telephone, good roads and cheap automobiles may have tended to break down sectionalism and lessen the differences between families isolated by distance, still the rustic clings to his vocabulary. It is part and parcel of his tradition and make-up. Without it the countryside would be merely a suburb, merely a compromise between two civilizations, and the countryman a citizen of neither. If he be a genuine native, then he will speak the tongue of his section; and if the new-comer would share his confidence and conversation, he soon must learn to speak this patois.

"SET down and rest your face and hands", the country greeting goes. "Lay off your things and have something to stay your stomach". Of course you protest, as you step onto the "piazzer" that you just "dropped in to pass the time of day", but before you know it, you and the countryman will be thick in small talk.

He complains that he is only "fair to middlin' " and that his "rheumatiz plagues" him. The farmer whose rheumatism doesn't plague him once in a while is no farmer; his outdoor work in all weathers is conducive to stiffening "in the jints". Also he may be "all tuckered out" or "hungry enough to eat his size". After the meal he may be "happy as a clam", and if he is tending toward avoirdupois he'll confess that he's "consid'able pussy".

Having settled these personal matters, you can go off on several varied angles of conversation—the weather, crops and stock, his family and the neighbors—especially the behavior of the neighbor's children. A child will be "th' spittin' image" of either parent; he may be "bold as brass" or "bright as a button" or a "spitfire" and "pert as Nathan"; or if the boy is a bit wild, "it will be the ruination of him" and eventually "he won't be worth a Hannah Cook".

If the neighbor's wife works hard, she'll be "drove with work" and "worn to a frazzle"; indeed, the entire gamut of her griefs can be read in such comments as: "she ain't kept her looks" or "she's seen trouble" or, if fallen on evil ways, "she ain't no pattern to go by". If she pulls her hair straight back on her head she "looks like a peeled onion"; if she grows stout, she's "fleshin' up" and finally it may be said of her that "she's homlier than a stump fence". Should the home be meagre, then the family is "as poor as poverty's hind foot". However, the mother may "marry off her daughters" or they remain "double and twisted old maids". An entire family's condemnation may be handed down in two phrases: "that breed's run out" and "their place's gone to rack and ruin".

THESE colloquial expressions differ radically from section to section. The New York farmer will say he feels "right pert" or "lively" while the rustic from another district is "fit as a fiddle". The Maine farmer will warn his wife to stop her "'blabbing", whereas the upstate New Yorker will admonish "Stop yer canterin'. Yer blabbin' too much". The Empire Stater will refer to a no-account fellow as "a dirty dish clout", but the New Englander will state, "I'll trade him off fer a yaller dog" or say that he ought to have a "cow hidin' ". Should he be conceited, he's "bigger than Billy Bedam". The Yankee will speak of owning a "chist of drawers", while the New Yorker is content to shorten them to "draws".

Mighty are the oaths these countrymen use. They swear "By Heck" and "By God All-Sufficient" and "By the holy smut"; their anger flares up into a "Dod rot it!" All of them watered versions of more virile expletives. On the other hand, the naïve, natural poetry of their conversation is fresh and undiluted. When the farmer harrows a field he "drags" it, and if he plows continuously around a first furrow he is "gathering". The helper, of course, is a "hired man" and in some sections if he is taken on for part-time small jobs he may be a "tasker" or "just chorin' ". Meat will be "tougher an b'iled owl" or if the fat and lean are nicely alternated, it is "marbled". A small boy will be freckled "as a turkey egg" and a man "darker than Egypt". If a neighbor is very ill at the end of the year his friends fear he won't "winter" or "won't climb May hill".

Where these country conversations come from is the delightful study of the etymologist. Some are directly derived from English ancestry, some from events of vivid importance, some from contact with strange people. To be hanged "higher 'an Haman", is Biblical of course. To speak of one being "dark as Egypt" is doubtless a descendant of an old English country phrase that referred to Gypsies who have wandered over the English countryside for centuries and were believed to be Egyptians, so swarthy were their complexions. Likewise referring to a small boy as "a little shaver" is merely a corruption of the Romany for small boy—*chavo*. But however they came and however much they have been corrupted in passing from generation to generation, they are as distinctive of their localities as the rock and trees and wild life. And it is this plunging into a fresh environment of language that gives the new countryman such unfeigned pleasure if he has a mind to enjoy it.

IN the North the country gentleman would seem to look on such rustic conversation as merely a curiosity: a thing to listen to and smile at. Rarely do its solecisms insinuate themselves into his vocabulary. He appears to have a dread of going native. In the South the opposite is true; it's a poor Southerner who can't regale his friends from other neighborhoods with colorful mouthfuls of local negro farm talk. And this difference, we may be so bold as to venture, is due to the fact that for generations the Northern city man has held all farmers to be crude objects for sarcastic wit, whereas the Southerner has assumed a paternal attitude toward both his rural negroes and poor whites, and he loses no caste by dropping occasionally into their lingo. It is one of the compensations that come to him from living in the country.

So, indeed, should it be to all who go there from cities. It is not

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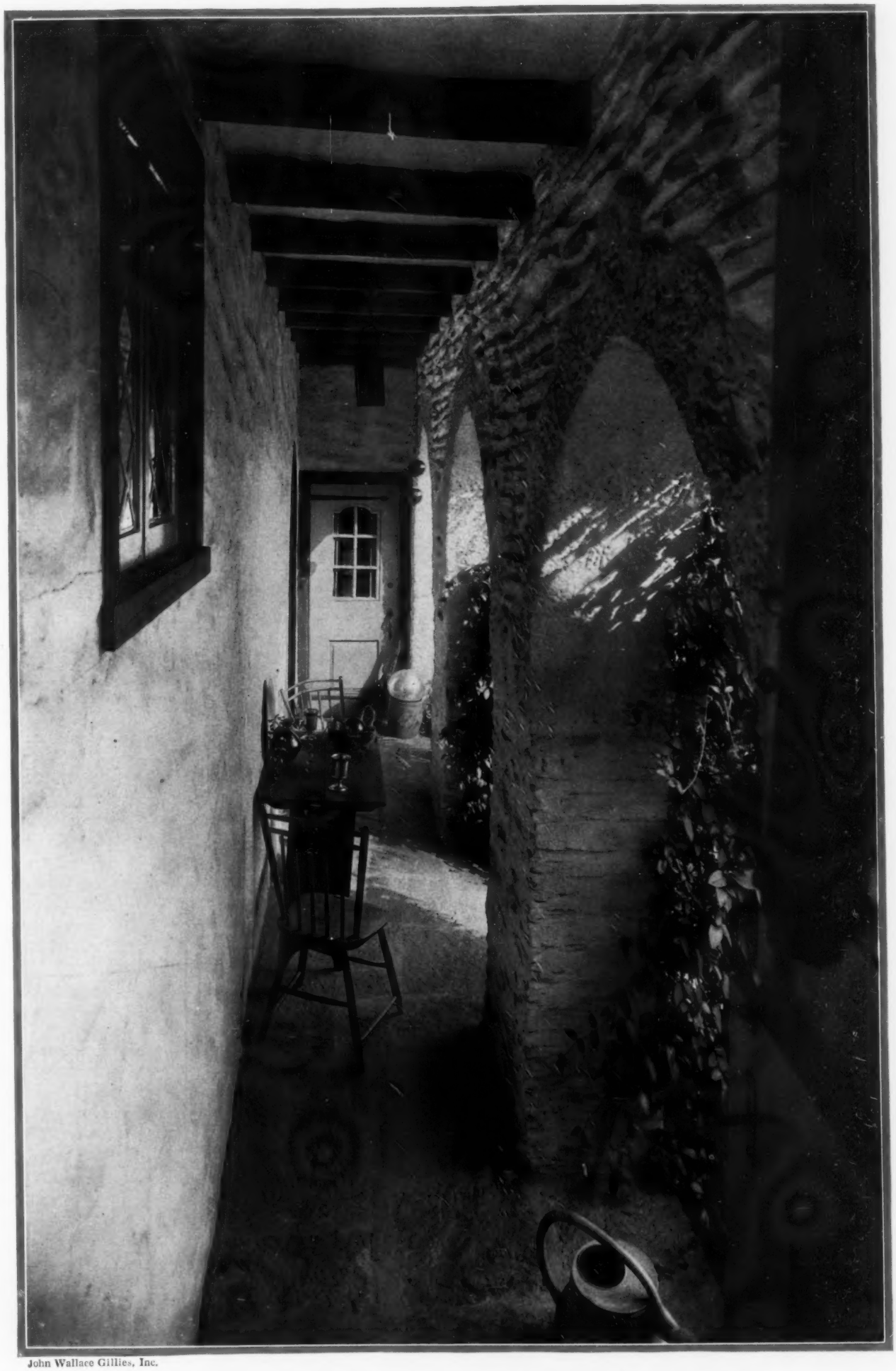
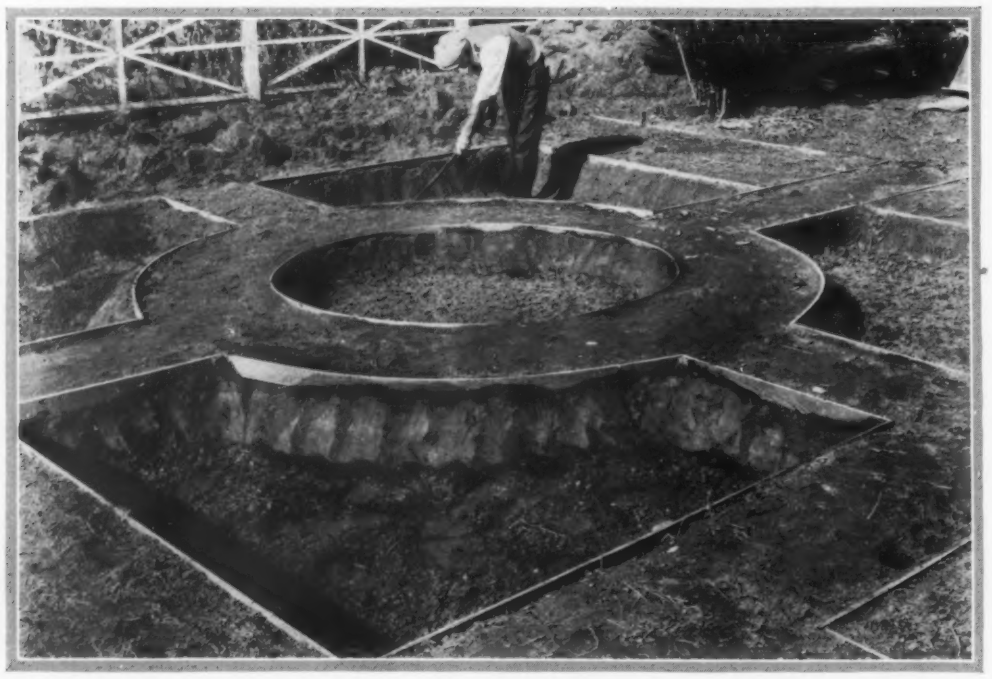


John Wallace Gillies, Inc.

For many things we become attached to a house and not the least of them are those shadowy corners that afford cool harbors on lazy, stifling summer afternoons. Every house should have at least one. This home, the residence of Albert M. Swank, Johnstown, Pa., abounds with them, one of the quaintest being this narrow cloister. Frank J. Forster was the architect of the house

A Cool Cloister For Summer Days



The Foundation For Finer Roses In The Garden

F. F. Rockwell

THERE are so many points about Rose culture which may be discussed and argued, pro and con, almost endlessly, that the beginner attempting to follow them is likely to pay too little attention to the more fundamental things. The construction of the Rose bed, the soil foundation, must be right or the Roses will be wrong, no matter how much care may afterwards be given to the finer details of culture.

The discussion which has been carried on for the past few years concerning the merits and demerits of fall planting is a good example of this loss of perspective, or failure to sense the relative importance of different factors in Rose culture. Fashions and fads have their sway in gardening as in other things, and swing from one extreme to the other. Roses in most localities may be planted successfully either in the fall or in the spring. In my own section (southernmost New Jersey) the conditions for fall planting are ideal, but I get equally good results from spring planting properly done. Of the several hundred Roses which I have set out during the past year, the percentage of loss in spring planting and fall planting has been about the same, and negligible in both instances.

While planting may be done either in the fall or in the spring, there are decided advantages in preparing the ground during the autumn, even though the plants will probably not be set out until the following March or April, or even May.

A great rosarian once made the statement that he would rather put "a fifteen-cent Rose in a fifty-cent hole than a fifty-cent Rose in a fifteen-cent hole." He wrote from long experience and keen observation, and had his feet set firmly on the ground. At least fifty percent of success with Roses depends upon what has been done before a plant is even touched!

I have already mentioned the fact that fads in gardening swing from one extreme to another. A few years ago it was the fashion for the Rose expert to experiment with the most elaborate and "scientific" methods of soil preparation; the fifty-cent hole was forgotten in the preparation of holes which must have cost nearer two-fifty, the soil being dug out several feet deep and replaced with several different kinds of fertilizers, in *diagonal* layers!

THE BEGINNING

(Top) The first important step is to dig out the soil to a depth of twelve to eighteen inches preparatory to filling with a rich, well drained mixture. If the soil below this level is hard, break it up well with a pick or a good heavy crowbar

Needless to say those who attempted to grow Roses upon any such basis as this had more cash than common sense. But now the pendulum has swung to the opposite extreme, and one runs across statements to the effect that no special preparation of the soil is necessary for the growing of Roses, and nothing is needed beyond supplying them with a good garden soil well fertilized and thoroughly dug. These terms, of course, are somewhat elastic; but even so, it is disregarding the facts to claim that Roses will do their best in a soil which receives no further preparation than that which would be quite sufficient for perennials or even for shrubs. True, they may grow—but not as every Rose lover likes to have them grow.

To apply common sense to soil preparation, we should consider first of all the Rose plant. We are speaking, of course, of garden Roses or Rose bushes; principally, these days, Hybrid Teas, with a few Hybrid Perpetuals and more hardy Teas, possessing qualities of one sort or another so excellent that they deserve a place even in the comparatively small garden of Hybrid Teas. The robust climbers and the hardier of the natural species will thrive vigorously and

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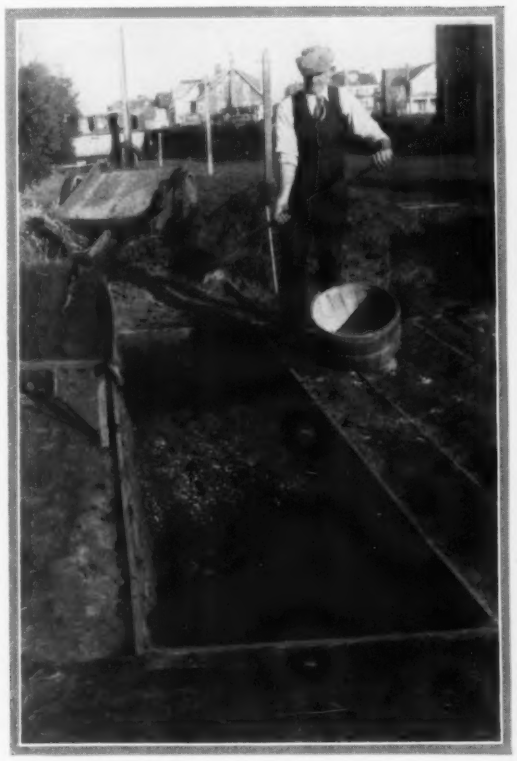
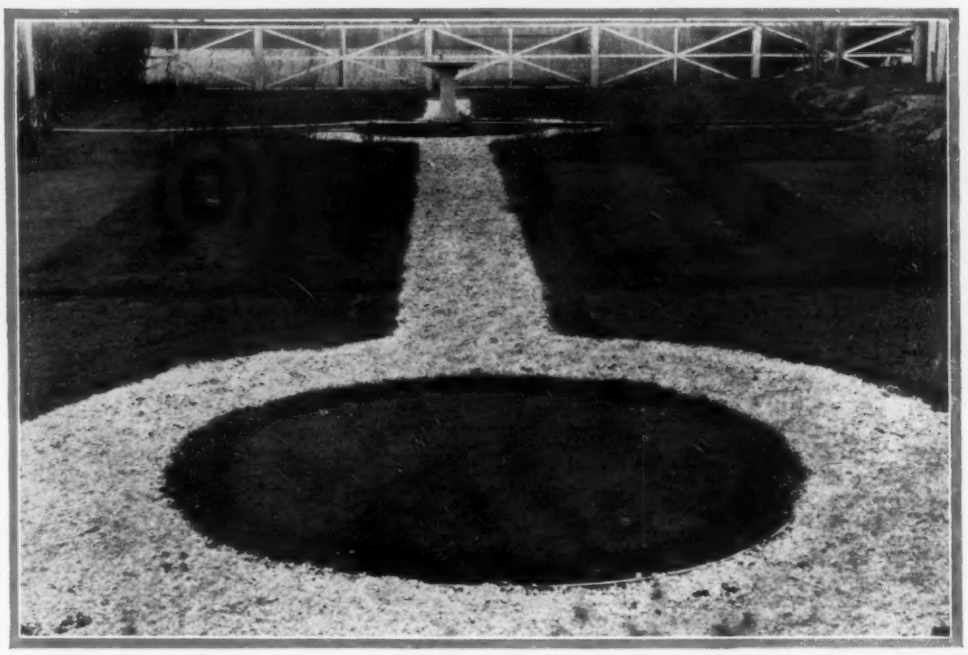


FOUNDATION FOOD

(Above) The foundation layer of the bed is made up of rotted cow manure, crushed raw bone and coarse soil. This will provide a substantial and long-lasting supply of food—a very important factor

TURFING

(Right, top) Sod is laid between the beds after the soil has been well leveled. This is the quickest way to secure a firm turf, although seeding is less expensive. The boards marking paths will soon be hidden



PLANTING

(Center) When the paths have been finished and the beds generously filled with prepared soil, planting the bushes follows as a final step. If possible, complete the beds two weeks before planting

COMPLETED

(Right) The final result of the work shown in the foregoing photographs. This garden well illustrates several Rose requirements —sunshine, good air circulation and entire freedom from crowding

No charge of uninteresting formality can be made against the semi-double Camellias which are now helping so materially to restore the popularity of this worthy shrub. A selected list of especially attractive varieties is given in the accompanying article

(Below) The Camellia is a notable flowering shrub of the South where it is a memorable feature of many a landscape scheme. It prefers a warm, open, loamy soil with plenty of leafmold and peat and must have good drainage. It flowers from March to June

The Camellia—Rose of Japan

E. H. Wilson

"CAMELLIAS are universally admired for the rich and pleasing contrast afforded by their dark green leaves and their superb flowers which enliven greenhouses and conservatories throughout the winter and spring months. The flowers are also extensively used for bouquets and for dressing ladies' hair for balls and parties, indeed, the want of fragrance is perhaps the chief thing which prevents the Camellia from supplanting the Rose in universal admiration."

So writes an enthusiast about 1860, but there are changing fashions in flowers as in milady's hats and gowns; some at the moment are in their hey-day, others have passed their peak, and some are on the ascending scale. Dame Fashion is a creature of whims and fancy more than common sense rules her taste, yet if we look closely into the rise and fall of certain flowers in popular favor we shall generally find good and sufficient reasons. In many instances the florist with his craving for uniformity and regularity is to blame. In breeding many flowers the specialist has not rested content until he has produced them so regular in form and outline as to make it a simple matter to cut replicas out of a Beet

or Turnip or mould them from soap or wax. At this the public has ever revolted and such flowers are soon thrust into the discard, some of them to be resurrected at later periods under a new guise. Pathetic examples of this false art are the Show Dahlia and incurved Chrysanthemum, which have long since had their day.

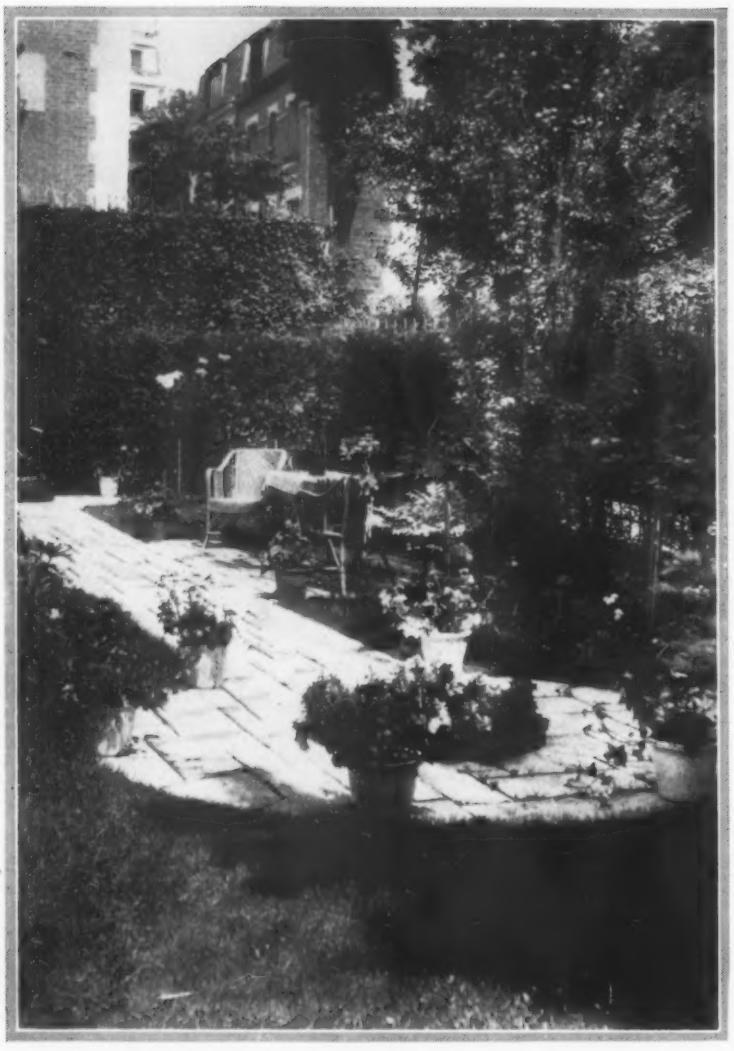
The Camellia is another striking illustration of the florist's poor taste. It came, waxed mightily, established itself, then became as if its blossoms were graven out of some vegetable solid. Revulsion followed and the plant dropped into desuetude. Now, after a lapse of half a century it is coming into its own again—not those varieties with dull, lifeless, stiff, regular, formal flowers, but the single or semi-double forms where character is in evidence. Nurserymen are turning their attention to this plant once more and now quite a wide range of lovely varieties is available, though the work of raising stocks is a slow one.

The Camellia is really a very accommodating plant; it is much hardier than was at one time supposed; in fact, it can be grown out-of-doors where Himalayan Rhododendrons are hardy, which is not New England. In colder places it is readily accommodated in a cool conservatory (the orangery as it used to be called) where if tended in pot or planted out in border it gives a great return in blossoms of many hues. The large Camellia bushes out-of-doors in Georgia and the Carolinas are the envy of all visitors and the crowning glory

(*Continued on page* 138)

(Above) Modern Camellias are to be had in a wide variety of blossom colors—reds, pinks, creams and whites, sometimes with yellow stamens. Not a few of them are parti-colored and have petals curiously streaked, flaked or otherwise distinctly marked

There are numerous double forms, some of which are really too regular to be truly beautiful. The species is hardier than commonly supposed to be, actually coming through a mild Long Island winter unharmed when growing in sheltered places out-of-doors



In Passy, one of the favorite old residential districts of Paris, this garden is tucked away between high walls. It is a garden to live in. Many of its features are quite easily adaptable to American city backyard conditions. J. C. N. Forestier, the most famous of French landscape architects, was the designer of it

A Backyard Garden Secluded In Paris

Helen M. Clark

ONCE in a great while the fairy of perfect production hovers near, and brings material, circumstances, architects, personal preferences and tangible possibilities into close harmony. What ensues from this splendid accord is usually a joy to behold, and a pattern to be followed wherever possible.

Such a house and garden I found in a short new street in Passy, one of Paris's residential sections, old in name and division, but containing many of the newest and most modern homes which are springing into existence in the post-war building. The owner is a young woman who wanted her own establishment independent of her parents. Her house, her garden, her furnishings are all expressions of her own individuality, and follow a sane path of modernist tendencies with no exaggerations, far removed, however, from recommended antiques and ancestral walnut.

Mlle. Stern is a practical gardener, full of buoyant enthusiasm, and her idea was to have her house and grounds so closely related that she would not be conscious when she passed from one to the other. She also believes that the interior decoration should carry some suggestion of the garden immediately without.

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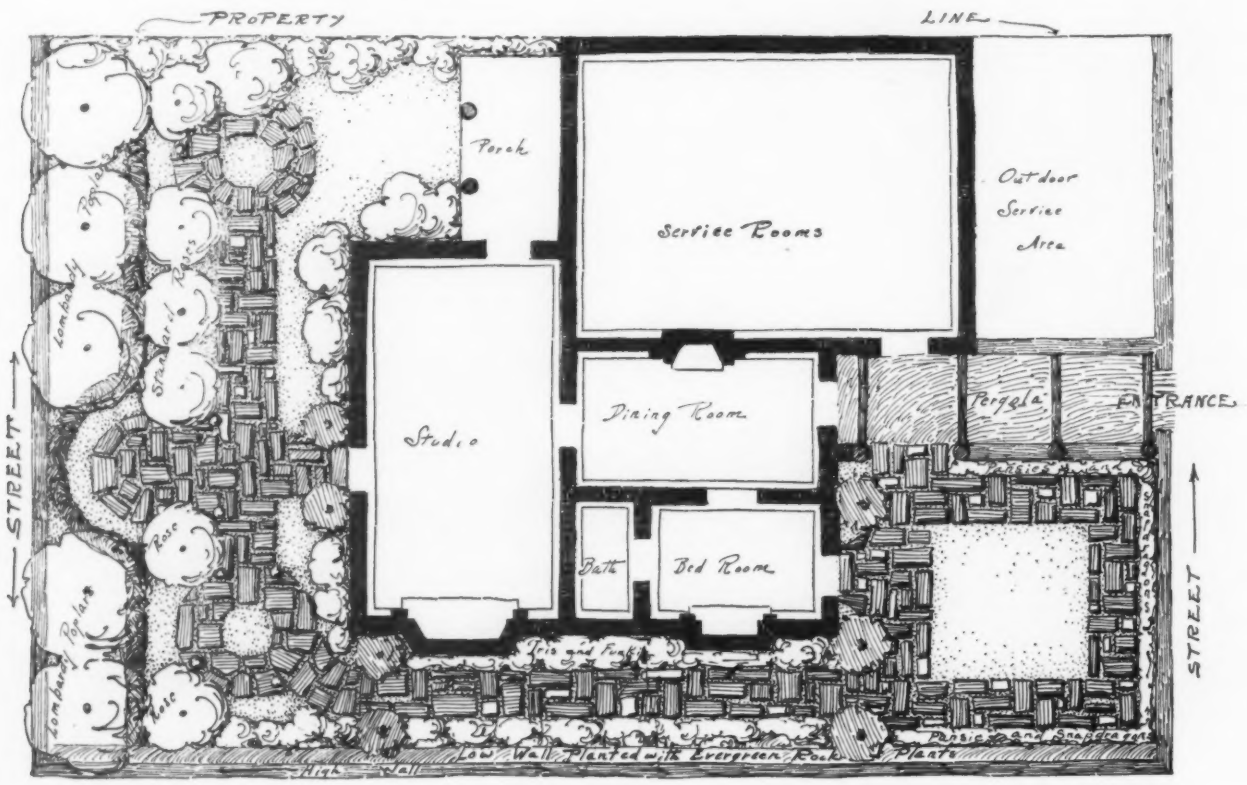
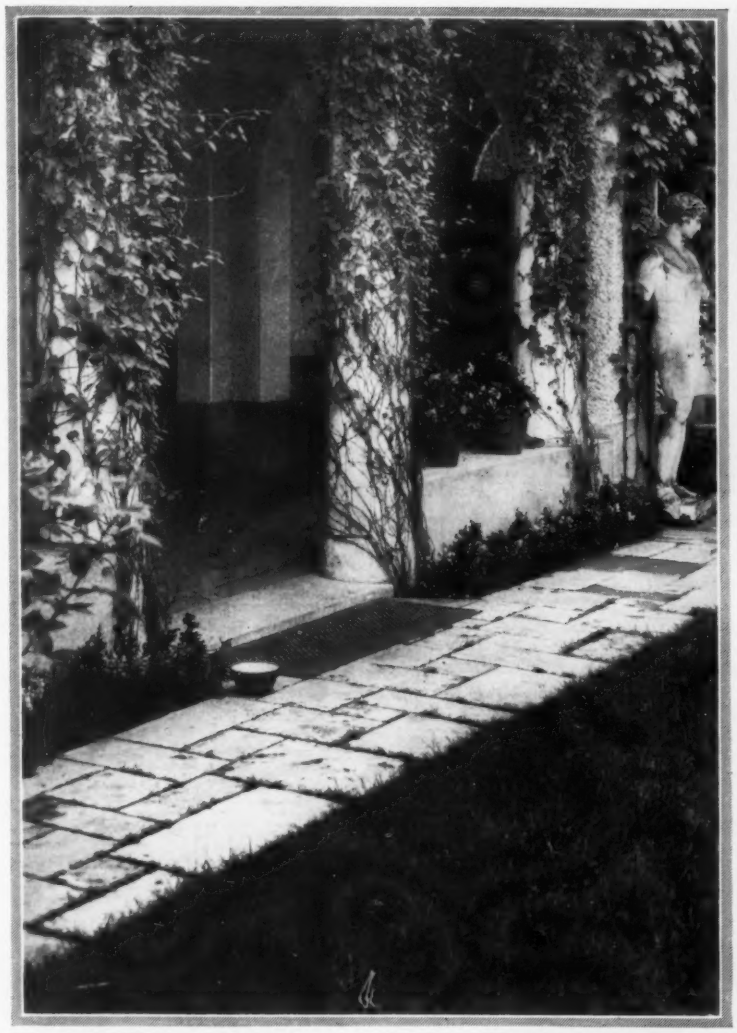




PERENNIALS FOR SHADY PLACES

LATIN NAME	COMMON NAME	COLOR	HEIGHT	Blooming Season	SOIL	DEGREE OF SHADE	REMARKS
Aconitum in Variety*	Monkshood				Rich		Showy Flowers; Effective Foliage
" Autumnale	Autumn Monkshood	Blue Purple	3′	Sept.—Nov.	"	Light Shade or Shade	
" Napellus	Aconite	White Blue	3″	July	"	" " "	
" Variegatum	Manchurian Monkshood	Blue White	1′-6′	July—Aug.	"	" " "	
" Uncinatum	Climbing Monkshood	Blue	3′-5′	Sept.—Nov.	Rich, Moist	" " "	
Actea Alba	Baneberry	White	1½′	May—June	Rich Woodland	Shade or Half Shade	China White Berries, Red Stems
" Rubra	"	"	1′-2′	April—June	Well Drained Woodland	" " "	Red Berries
Adonis Amurensis	Amur Adonis	Gold	1′	April—May	Good Loamy Soil, Light	A Little Sun	Resembles Buttercup. Resents Disturbance
" Vernalis	Spring Adonis	"	1′	Late March	Heavy Loam	Sun or Half Shade	Large Daisy-like Flowers
Allium Moly	Lily Leek	Yellow	8″	Early Spring	Dry Sandy	½ Shade, No Burning Sun	Rampant Spreader. Bulb Plants
" Cernuum	Nodding Onion	White — Lavender	12″	" Summer	" "	" " " "	
" Stellatum		Rose Pink	18″	July	" "	" " " "	
" Cyanium		Blue	6″	May—June	" "	" " " "	
Anchusa Myosotidiflora	Siberian Bugloss	Blue	18″	May	Dry, Well Drained	Sun or Partial Shade	Large Leaves, Free Seeder
" Italica	Italian Bugloss	"	3′-5′	June—Sept.	" " "	" " " "	Do not let go to seed for continuous bloom
Androsace Laggeri	Rock Jasmine	Pink	3″-6″	June—Aug.	Sand, Leafmold, Loam	Light Shade	Rocky Slopes Facing South, Open Situation
" Lanuginosa	" "	Pink	3″-6″	Summer	" " "	" "	Trailing Verbena-like Blossoms
" Carnea	" "	Rosy	3″	May	Sharp Drainage	" "	Tufts of Light Green Foliage - Not Wooly
" Sarmentosa		Pink	3″-6″	Early Summer	" "	½ Shade, No Burning Sun	Rampageous, Broad Mats of Rosettes
Anemone in Variety*					Leafmold, Peat, Garden Soil, Moist		There are still more shade-enduring Anemones
" Canadensis	Canada Anemone	White	18″	Summer	" " " " "	Open Woods	Lovely Among Ferns, Spreader
" Japonica	Japanese Anemone	Rosy Purple	2′-3′	Autumn	" " " " "	Semi	This Has Mary Varieties
" Sylvestris	Snow Drop Anemone	White — Lavender	1′-1½′	April—May	" " " " "	"	Sometimes this blooms later
Anemonella Thalictrifolia	Rue Anemone	Whitish	5″-9″	March—May	Moist	Thin Woods	Plant in Masses, like Wood Anemone
Arenaria Balearica	Corsican Sandwort	White	1″-2″	Summer	Good Garden	Semi-shade	Vivid Green Moss, Not always Hardy
" Verna Caespitosa	Moss "	"	1″-2″	May—Aug.	" "	" "	Both Good between joints of Stone Paths
Arisaema Triphyllum	Jack-in-the-Pulpit	Brown-Yellow-Green	1′-2′	May	Moist Woods	Light or Dense	Scarlet Berries. Plant singly among Ferns.
Arnebia Echioides	Prophet Flower	Yellow	3′-12′	Spring	Good Garden	Partial	North Slope of Rockery
Asarum	Wild Ginger	Brown	6″-10″	April—May	Damp	Open Woodland	Glossy Leaves, Good Ground Cover
Asperula Odorata	Sweet Woodruff	White	6″-8″	May—June	Acid Woodland, Dry	Shade or Semi	Lovely in drifts among rocks
Aster Novi-Belgi	New York Aster	Lilac — Blue	1′-3′	Sept.—Oct.	Likes Moisture	Light	Many Hybrids of this Wild Aster
Campanula in Variety*	Bell Flower						There are other shade enduring Campanulas
" Carpatica	Carpathian Bell Flower	White Violet	6″-10″	July—Aug.	Good Garden	Semi	
" Muralis	Wall Bell Flower	Blue — Purple	3′-5″	May—June	Loam, Sand, Leafmold	Semi	Lovely among stones
" Persicifolia	Peach Leaved Bell Flower	" "	2′	June—July	" " "	Semi	One of the best
" Rotundifolia	Hair Bell	" White	1′	June—Aug.	" " "	"	Most cosmopolitan of all
Cardamine Pratensis	Cuckoo Flower	Pink — White	12″-20	May	Woodsy	"	Moist places or among rocks
Chimaphila Umbellata	Pipsissewa	Pale Pink	6″-10″	June—July	Acid Woodland	Shade of Evergreens	Woodland Planting, Waxy Blossoms
" Maculata	Spotted Wintergreen	White	6″-10″	" "	Dry "	" " "	" " " "
Chionodoxa*	Glory-of-the-Snow	White, Blue	3″-4″	April	Well Drained	Sun or Semi-shade	Plant Bulbs close together
Chrysanthemum Belle Mauve	Chrisanthemum	Pink — Mauve		Oct.	Good Garden	" " " "	Pinch back tops when a foot high for lower bush
" Arcticum	Artic Daisy	White	1′-1½′	Sept.—Nov.	" "	" " " "	
Claytonia Virginica	Spring Beauty	Pink	6″-12″	March—May	Moist Leafmold	Open Shade	Spreader, under Deciduous Trees
Clintonia Borealis	Bluebead	Yellow	6″-16″		Cool Acid	Under Evergreens	Lily-like Flowers, Blue Berries
" Umbellulata	Speckled Clintonia	White	8″-22″		Rich Woods	" "	Flowers in thick clusters, small black berries
Convallaria Majalis	Lily-of-the-Valley	White	5″-10″	May—June	Good Garden and Peat Moss	Not Dense Shade	Fragrant, Spreading
Coptis Trifolia	Goldthread	White	3″-6″	May—July	Damp Acid	Full Shade	Lustrous Evergreen Ground Cover
Coreopsis Rosea	Coreopsis	Pink	10″	Sept.-Oct.	Ordinary	Morning Sun, Afternoon Shade	Somewhat like Cosmos
Cornus Canadensis	Bunchberry	White	6″-9″	May—July	Damp, Cool	Under Trees	Creeping Ground Cover, Red Berries
Corydalis Glauca	Pale Corydalis	Yellow — Red	8″-10″	May—Aug.	Dry Leaf Mold and Loam	Sun or Shade	Tufts of Gray Leaves. Plant near rocks
" Lutea	Yellow Fumatory	Gold	6″-8″	May—Sept.	" " " " "	" " "	Dry Wall, Steps, Stony Banks. Useful
" Nobilis	Noble Fumatory	Yellow — White	8″-10″	May	" " " " "	Sun or Shade	Dies Down After Flowering
Crocus	Crocus	Many	3″-6″	Spring	Well Drained	Sun or Semi-shade	First signs of spring
Cyclamen	Cyclamen	Rose — White	6″	Autumn	Acid, Loose Woodland	Shade or Semi	Somewhat difficult but lovely
Cypripedium Parviflorum	Small Ladyslipper	Yellow	1′	May—June	Rich, Intensely Acid, Woodsy	Under Deciduous Trees	Must have right soil conditions
" Spectabile	Showy "	Pink — White	2′	June	Moist " " "	" " "	" " " " "
" Acaule	Pink "	Pink	1′	May—June	Dry or Moist " " "	" " "	" " " " "
Daphne Cneorum	Garland Flower	Rose — Pink	10″-12″	April—May	Peaty, Loamy, Acid	Semi-shade	The only Shrub in this list; Evergreen
Daffodil (see Narcissus)							
Delphinium Nudicaule	Scarlet Larkspur	Scarlet	1″-1½″	April—July	Deep, Rich, Sandy, Loam, Acid	Semi	Dies down after flowering
Dentaria Diphylla	Pepper Root Toothwort	White	8″-10″	May	Rich Woodland	Full Shade	Handsome in masses
Dianthus Alpinus	Alpine Pink	Rose — Purple	3″-4″	May—June	Limy Soil, never too wet	Semi, not under trees	Shiny Green Foliage
" Glacialis Neglectus	Ice Pink	Pink	3″-4″	May—June	Well drained	" " " "	One of the loveliest
" Deltoides	Maiden Pink	Rose	6″-9″	Summer	Good	More Sun than Shade	Shiny Leaves, Close Mats, Spreading
Dicentra Canadensis	Squirrel Corn	Pink — White	5″-12″	April—May	Rich	Under Trees, not dense	
" Cucullaria	Dutchman's Breeches	Creamy	5″-9″	April—May	Loose, Fibrous Wood Soil	" " " "	Foliage disappears soon after flowers fade
" Eximia	Wild Bleedingheart	Pink	15″	All Summer	Good Garden	Semi	Effective Foliage until Frost
" Spectabile	Old-fashioned "	Pink	24″	April—June	" "	"	
Digitalis Ambigua	Yellow Foxglove	Yellow	2′-3′	June—July	Good Garden	Light Shade	Easily grown
Dodecatheon Meadia	Amer. Shooting Star	Rose	2′-3′	May—June	Well drained, Cool, Gritty	Shade or Semi	Large Groups: Flowers suggest Small Cyclamen
Doronicum	Leopard's Bane	Yellow	2′	April—June	Sandy Woodland Soil	Open Semi-shade	Daisy-like Flowers
Epigaea Repens	Trailing Arbutus	Pink — White	2″-4″	April—May	Intense Acid, Peaty, Sandy, Moist	Shade or Semi	Do not transplant from the wild—Buy
Epipactis Pubescens	Downy Rattlesnake Plantain	White	6″-12″	July—Aug.	Woodland	Under Evergreens	Ground Cover. Leaves in flat Rosettes
Epimedium in Variety*	Barrenwort	Many	9″	Spring-Summer	Any	Light Woods	Beautiful Leaves, Small Flowers
Eranthis Hyemalis	Winter Aconite	Yellow	5″-8″	Very Early	Leafmold	Under Trees	Very Desirable. Flowers like Buttercups
Erythroniums in Variety*	Troutlily or Adder's Tongue	Yellow, Various	6″-18″	Spring	Light Leafmold	Light	Grow from Bulbs, look like Lilies
Fritillaria in Variety*	Crown Imperials	Mixed	6″-20	Spring	Good Loam	Full Shade for Large Bloom	Bulbs. Some like Lilies, some like Tulips
Funkia (Hosta) Minor	Daylily, Plantain Lily	White	8″-10″	Aug.	Deep, Rich	Shade or Semi	
" Subcordata	Corfu Lily	"	1″-2″	July—Aug.	" "	" " "	Lily-like Flowers
Galanthus in Variety*	Snowdrops	White	3″-5″	Early Spring	Well Drained	Semi	Appear as the snows melt
Galax Aphylla	Wand Plant	White	1′-2½′		Very Acid, Moist	Full Shade	Stiff, Bronzy, Evergreen Basal Leaves
Gentiana Acaulis	Stemless Gentian	Dark Blue	4″	March—May	Rich, Deep, Moist	Semi	Do not dig Gentians from wild
" Andrewsi	Closed or Bottled	" "	1½′-2′	Aug.—Sept.	" " "	"	
Geranium Ibericum	Cranesbill	Violet	12″-18″	July—Aug.	Ordinary	Light Woodland	Good for shady bank
" Sanguineum		Red	6″-18″	June—Aug.	"	Some Sun	One of the best
Habenaria Ciliaris	Yellow Fringed Orchis	Yellow	18″-24″	August	Moist Sandy	Not too Dense	Striking Species
" Blephariglottis		White		July	Boggy	Light Shade	One of our finest natives

*Asterisk indicates that other shade-loving species

COMPILED BY HARRIET K. MORSE

LATIN NAME	COMMON NAME	COLOR	HEIGHT	Blooming Season	SOIL	DEGREE OF SHADE	REMARKS
Helleborus Niger	Christmas Rose	White	1′	Before Spring	Rich, Well Drained	Under Trees	
" Orientalis	Lenten Rose	Purplish	1′	"Lent"	" " "	"	Evergreen Leaves
Hepatica Triloba	Hepatica, Liverwort	White, Pink, Blue	4″	April—May	Rich, Well Drained Loam	Under Trees	They Like Sheltered Banks
Heuchera* Brizoides	Alumroot, Coral Bells	Pink	1½′	May—Sept.	Good Garden	Semi	Grown Largely For Tufts of Foliage
Sanguinea Splendens	Crimson Bells	Red	12″-18″	May—Sept.	" "	" Open Situation	Good Among Rocks
Houstonia Caerulia	Quaker Lady	Blue	3″-6″	April—Oct.	Slightly Moist, Acid	Half Shade	Lovely massed on Slopes
" Serpyllifolia		Stronger Blue	4″	Early Spring	" " "	" "	Mats of Tiny Creeping Leaves
Hypoxis Hirsute	Star Grass	Yellow	6″	April—Oct.	Very Sandy, Moderately Acid	Open Woods	Not Showy But Interesting
Hypericum Coris	St Johns Wort	Yellow	4″	Aug.—Sept.	Good, Loamy, Sandy	Partial	Rarest and Best Evergreen
Incarvillea Delavayi		Rose	1½″	June	Deep, Rich, Sandy	Semi = Shade	Warm, Sheltered
Iris* in Great Variety	Iris, Flag, Fleur De Lys	Many	4″-4′	May—June	Rich, Well Drained	Semi = Shade or Sun	Divide Every Few Years
Jonquil (See Narcissus)							
Jeffersonia Diphylla	Twin Leaf	White	8″-15″	April—May	Sandy Leaf Soil	Damp Shade	Mass of Starry Bloom
Lilium* in Variety	Lily						
" Auratum	Gold Banded Lily	White	4′-6′	August	Well Drained	Semi = Shade or Sun	Intensely Fragrant
" Canadense	Meadow Lily	Yellow = Red	3′-5′	June—July	Well Drained, Moist	Woodland	Plant Tubers 6″.8″ Deep
" Speciosum	Speciosum Lily	Pink = White	2′	Aug.—Sept.	" " "	Semi = Shade or Sun	Plant Deep
" Superbum	Turk's Cap Lily	Orange = Yellow	3′-7′	July—Aug.	Well Drained, Moist	Light Shade	Plant Tubers 6″.8″ Deep
Linaria Cymbalaria	Kenilworth Ivy	Lavender = White	1″	All Season	Ordinary	Open Shade	Self Seeding Resembles Miniature German Ivy
Linnaea Borealis	Twin Flower	Crimson	3″	June —Aug.	Acid Wood Loam	Partial	Creeping Pendulous Bells
Lithospermum Prostratum	Gromwell	Blue		June—Sept.	Peat And Loam, No Lime	Semi	Trailing, Open Situation
Lobelia Cardinalis	Cardinal Flower	Red	2′-3′	July—Aug.	Peat, Leafmold, Loam	Semi	Flowers opening in a Tall Spike
" Syphliitica	Blue Lobelia	Blue	1′-2½′	Aug.—Sept.	" " "	"	" " " " "
Lycopodium Dendrobium	Club Moss		6″		⅔ Leafmold, ⅓ Loam	Continuous Shade	Evergreen Creeper
Lysimachia Nummularia	Moneywort, Loosestrife	Yellow	2″-3″	June—July	Waste Places	Anywhere	Rapid Spreading Ground Cover
Maianthemum Canadense	Canada Mayflower	White	3″-6″	May—June	Well Drained, Slightly Acid	Shade of Deciduous Trees	Ground Cover in Masses
Mazus Rugosus		Pink	3′		Any	Semi	Creeping among Rocks, Flowers like Snapdragons
Meconopsis Cambrica	Welsh Poppy	Yellow	1′		Rocky, Light Woodland	Light Shade	
Mentha Requieni	Corsican Mint	White	1″-3″	Summer	Damp	Semi	Low, Dense Carpet Between Flagstones
Mertensia Virginica	Bluebells	Blue	1½′	May—June	Rich Loamy Soil	Semi	Good with Daffodils. Leaves die after flowering
Mitchella Repens	Partridge Berry	Pink	1″	June	Woodloam, Acid Tang	Anywhere	Evergreen Ground Cover Red Berries
Mitella Diphylla	Bishop's Cap	White	6″-10″	May	Woodland	Full Shade	Spikes of Fringed Flowers
Monarda in Variety	Bee Balm	Scarlet Lavender	20″-40″	July—Sept.	Moist Woodland	Light	Effective and Spreading
Myosotis Palustris Semperfl.	Forget-me-not	Blue	6″-10″	May—Sept.	Good Soil, Not Dry	Partial	Effective at Water's Edge
Narcissus*	Narcissus, Daffodil, Jonquil	Yellow, White		May—June	Well Drained	Semi-Shade or Sun	
Orchis Spectabilis	Showy orchis	White	5″-10″	May—June	Moist Stony	Deciduous Woods	Leaves Resemble Lily-of-Valley
Pachysandra Terminalis	Japanese Spurge	White	4″-8″	May	Prefers Rich	Anywhere	Evergreen Ground Cover, Spreading
Pentstemon* in Variety	False Foxglove, Beard Tongue	Red, Blue, Purple	1′-4′	June—Aug.	Good Deep Garden Soil	Partial	Somewhat Like Foxglove But Smaller
Phlox Divaricata Laphamii	Creeping Phlox	Lavender	9″	May	Light, Rich Loam	Half Shade	Magenta va lety less distinguished than others
" Subulata in Variety	Mountain Phlox or Moss Phlox	Many	4″	May	" " "	" "	Fast Spreading and Very Useful
" Reptans		Pink	6″	May	" " "	" "	All Are Spreading and Very Desirable
Podophyllum Peltatum	May Apple	White	1½′	April—May	Rich Moist	Light Shade	Woodland Carpet
Polemonium Reptans	Greek Valerian	Blue-Violet	8″-12″	April—May	Moist Woodland	Light Shade	Bell Shaped Flowers Plant in Massas
Polygonatum Multiflorum	Solomon's Seal	White	2′	May—June	Semi-Shade or Deep	Shade, Rich	Handsome in Clumps
Polentilla* in Variety	Clinquefoil	Variety	4″-24″	June	Good Soil	Open Shade	Multiply Continuously
Primula* in Variety	Primrose						Many Shade-Loving Primulas not Listed Here
" Acaulis	Common English Primrose	Yellow	4″-10″	April—May	Rich Soil	Partial	One of Earliesf Spring Flowers
" Japonica		Reds, Yellows	9″	June	Moisture	Partial	Lovely Along Woodland Path
" Frondosa	Balkan Primrose	Orchid		April	Gritty Loam	"	Large Colonies for Effect
" Auricula	Bear's Ear Primrose	Reds, Purples	4″	April—May	Rich Soil	"	Lovely Among Rocks
Pulmonaria Angustifolia	Lungwort	Blue	1″	April—May	Good Soil, Warm Exposure	Semi Shade	Try with Daffodils and Arabis
Sanguinaris Canadansis	Bloodroot	White	6″	April	Loam, Sand, Leafmold	Not too Dense	In MassesAmong FernS and Rocks
Saxifraga* in Variety	Rock Foils	Many	3″-20″	April—July		Partial	Lovely Among Rocks
Scilla* in Variety	Wood Hyacinth	White, Blue	4″-8″	May	Well Drained	Any	Plant 5″-6″ Deep
Sedum* in Variety	Stonecrop				Dry Garden Soil	Light Shade	ManyOthers will Stand Some Shade
" Acre	Gold Moss	Gold	4″	Spring —Summer	" " "	" "	Fast Creeping
" Ternatum		White	3″	May	" " "	" "	
" Pulchellum	Rock Moss	Pink-Lavender	4″	May	" " "	" "	Self-Seeding Biennial
Shortia Galacifolia	Oconee Bells	White	6″	May	Very Acid Wood Loam	Under Evergreens	Shiny Evergreen Leaves Bronze in Fall
Sempervivum Arachnoideum	Cobweb Houseleek	Red	6″	Sept.—Oct.	Common Garden Soil	Light	Rosettes like tiny Artichokea, for rock crevices
Silene* in Variety	Fire Pink						There are others which like Shade
" Virginica	" "	Scarlet	12″-18″	June—Aug.	Ordinary Dry	Light	Fine for Rock Garden
" Pennsylvanica	Wild Pink	Pink	4″-9″	May—June	Dry, Rocky, Slightly Acid	"	" " " "
Thalictrum Adiantifolium	Fernleaf Meadow Rue	Yellow	1′	June—July	Well Drained, Loamy	Partial	
" Dypterocarpum		Blue, Purple		Aug.—Sept.	" " "	"	Plant with Tall Lilies
" Polygamum(Cornutii	Tall Thalictrum	White	4′-5′	Late Summer	Ordinary	Partial	Extremely Hardy
Tiarella Cordifolia	Foam Flower	White	6″-10″	May—June	Acid Wood Soil	"	Spreading
Tradescantia Virginiana	Spiderwort. Job's Taars	Blue, Purple	12″-18′	May—Aug.	Moist, Rich	Full Shade	Grass-like Leaves
Trientalis Borealis	Star Flower	White	3″-6″	May—June	Cool, Mossy	Light	In Masses for Woodland
Trilliuio* in Variety	Trillium						There are other Trilliums which like Shade
" Erectum	Erect Woodliiy	Purple-Red	1″	May	Rich, MoiSt	Full Shade	They are Fascinating Woodland Plants
" Grandiflorum	Wake Robin	White	1″	June	" "	" "	
Trollius* in Variety	Globe Flower	Yellow, Cream	6″-4′	April—July	Deep, not too Dry	Half Shade	Showy Flowers
Tulipa* in Great Variety	Tulips	Many	6″-24″	April—May	Well Drained	Semi	
Uvularia Grandiflorum	Bellwort	Buff-Yellow	6″-18″	May—June	Cool, Rich	Full Shade	Woodland Planting
Veronica Officinalis	Common Speedwell	Lavender	3″-4″	June—Aug.	Dry Woodland	Light	Ground Cover
" Repens	Creeping	Blue	2″	May	Good Garden	Semi	Flat Carpet, Joints in Stone Steps
" Rupestris	Rock Speedwell	Blue-White	3″	May—June	" "	"	
" Longifolia Subsessilis	Great	Blue-Purple	2′	Aug.—Sept.	" "	"	
Vinca Minor	Peri winkle, Myrtle	Blue-White	3″	April—May	Common Carden	Sun or Shade	Evergreen Leaves
Viola* in Great Variety	Violets	Many	3″-15″	April—Oct.	Woodland	Shade or Semi	Many Are Hybrid Species.
" Blanda	Sweet White Violet	White	3″-4″	April—May	"	" " "	When well suited these wild violets increase rapidly
" Cornuta	Horned	White-Blue	8″-9″	June—Oct.	"	" " "	
" Canadensis	Canada Violet	White Tinged Purple	5″-15″	May—July	Moist	Full Shade	
" Bosniaca		Pink	8″-10″	May—Oct.	Woodland	" " "	
" Odorata in Variety	Sweet English	Blue	3″-6″	May—Oct.		Shade or Semi	
" Pedata	Birdsfoot Violet. Wild Pansy	Blue-Lavender	4″-8″	April—June	Sandy Acid	Light Shade	

exist but are omitted through lack of space

Decorative Wall Surfaces And The Care Due Them

Elizabeth Hallam Bohn

THE necessity of one age might be called the luxury of the next in the development of wall coverings. For from the tapestries and fabric hangings which tempered the wind of the medieval castle and the domino papers with which the French peasant protected his walls, have descended the almost limitless range of possibilities for modern decoration. And from priceless originals and the adaptations of eminent designers have been evolved, as well, more modest designs for the small home. Colorful as an artist's sketch book and in harmony with every decorative ensemble. The tidal wave of interest in sound decoration, which signifies the growing of our infant country into the sophisticated standards of older lands has centered interest on the use of decorative fabrics, paneling and wall paper in key with the vogue for a restrained use of pictures.

In a ceremonious room, smooth surfaced fabric wall hangings may introduce a sparkling pageant of color and pattern in a print suggestive of rare damask. Or woven panels recall the grace and beauty of priceless Renaissance originals by their authentic modern design and appearance of graceful age. Wood paneling lends its mellow note to many a new world home and to meet this more sturdy effect in the moderate home a special type of wood wall covering may be had in walnut, mahogany and oak.

THE PAPERS

But it is in the once humble wall paper—the "tapestry of the poor"—that the greatest advances in design and craftsmanship have been achieved. The exquisite old papers which have been taken from their original setting in homes across the water bear mute testimony to the permanence of fine papers under intelligent care. For many have been used in American homes and brought to a fine state of beauty and interest by the skill of the restorer. From their inspiration have been created similar patterns in domestic papers. Chinese Chippendale designs form delightful harmonies with furniture of the Federal period. In other settings, the sentimental doves and roses of the Victorian era are charming and smart. As a background for the Directoire room comes the lovely velvet stripe, while tapestry effects lend dignity to the more robust Jacobean and Elizabethan periods. Spanish leather in bright colors stands out against a silver ground, while French toiles, animal motifs, hunting or marine scenes, or historic Egyptian or Hindu motifs may lend each its appropriate note of color and design to the completion of some up-to-date American room. Then there are the plastic wall coverings which imitate stipple and rough plaster, so suitable for early English and Spanish homes, and many examples of the new art which exemplify the controlled beauty of the modernist conception. Scenic papers form a chapter in themselves, so decorative are they and so well adapted to the spirit of modern architecture.

CLEANING AGENTS

With so much time and thought devoted to the selection of the type, quality, design and color of wall coverings, it is strange that so little attention is usually granted the after care which not only lengthens the life but mellows the texture of these surfaces. For smoke, gases and dust take their toll of walls as well as furnishings. Accidental spots, the traces of active little fingers and general wear and tear necessitate knowledge of special as well as routine care.

With the general acceptance of the vacuum cleaner as a piece of standard equipment, fabric wall coverings developed a practical as well as decorative appeal. For the lighter machines are ideal for keeping these surfaces free from dust and moths. Should the material be of wool, one of the commercial moth-proofing substances will assure temporary but effective protection from maurading *lepidoptera.*

In the April, 1929 issue of *House & Garden* instructions were given for the care of paneled walls. Such attention is important, for wood surfaces must be fed to counteract the drying effects of superheated homes which can in time ruin the lovely depth and color characteristic of them.

A long handled, soft haired wall brush should be used to give a weekly wiping down to papered walls. An outing flannel bag tied over a broom will give equally good results with a little more effort, or soft wool brushes may be used if they are kept scrupulously clean.

In even the best run homes, grease spots and finger marks will sometimes appear on new wall paper. A specialist suggests that a clean white blotter be placed over the grease spot and a hot iron pressed against this. Then a small quantity of pipe clay or Fuller's earth is applied and allowed to remain on all night. If the heat appears to change the color of the paper, this part of the treatment can be omitted and several applications of the pipe clay given at intervals. Fingerprints should be dampened with clear cold water, used sparingly, before the pipe clay or Fuller's earth is applied. Any rubbing tends to spread a stain.

Mould or damp spots can usually be removed if one part of salicylic mixed with ninety parts alcohol is very carefully applied with a soft cloth or sponge. In using any compound on one spot only, the clean part may stand out on a time mellowed surface.

FOR PROTECTION

When the complete wall comes up for cleaning it is usually time to consult the decorator, unless the paper has historical interest or associations. Prepared putty, starch or dough cleaners may be had, but their use takes time and patience and unless very carefully applied the result is uneven and irregular.

Not all wall papers can be successfully lacquered, but on the hard surfaced types, the wood veneers and marbleized varieties and on the bronzed and low colored papers as well as on many of the cheaper grades this finish may be used with great success. Not only does it simplify the cleaning process; it also prevents the paper from fading, without leaving the surface glossy or caus-

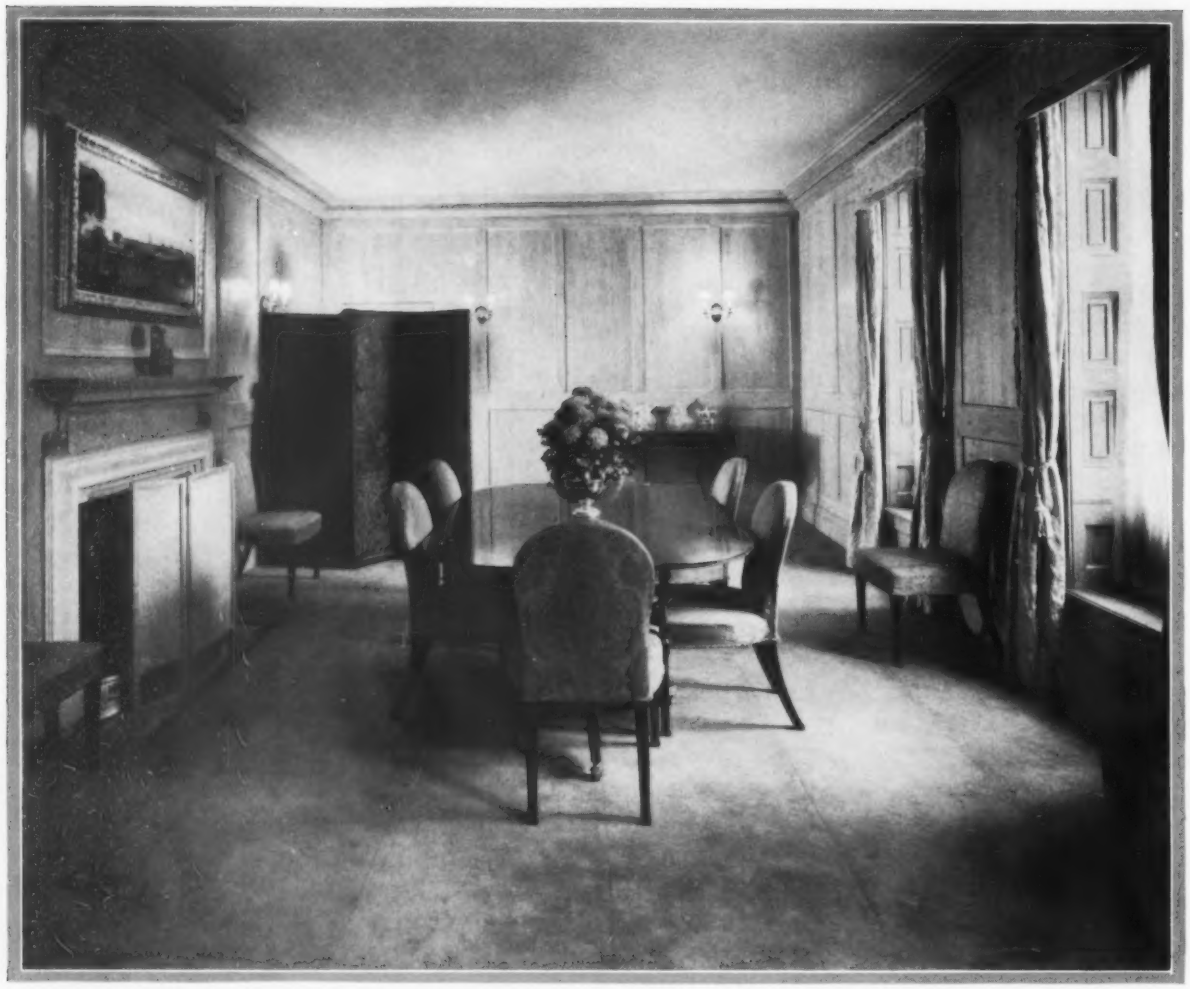
(*Continued on page* 148)

The Portfolio this issue shows a small house in London, the home of Major and Lady Alexandra Metcalfe, recently decorated in simple 18th Century taste tempered with modern comfort. The drawing room has pine-paneled walls and a green color scheme

An oval bathroom with walls painted in the varied blues of lapis lazuli is one of the most interesting of London's recent achievements in bathroom decoration. An extremely practical feature is the full length dressing table mirror with tall movable side arms

A Little Portfolio Of English Rooms

Cooper & Humphrey



Georgian Styles

Pale terra cotta is the predominating color in the delightfully simple dining room, which has walls of cheerful pine, Georgian furniture and curtains of cream colored moire. Symonds and Lutyens were the decorators of this house

Cooper & Humphrey

(Below) A corner of a little writing room that is all such a room should be—restful owing to its comfortable furniture and simple background, and interesting on account of the many books and coloring of peach tones accented in red

Rooms In London

Above is a view of the entrance hall and stairs in Major Metcalfe's London house showing the simple, well-designed paneling and effective marble floor. The walls here are stone color and the carpet and lacquer cabinet are Saxe blue

The ideal playroom should have practical equipment, restful colors and decorations to stimulate the imagination. This English nursery meets these requirements with a scheme in soft greens, durable furnishings and a gay frieze

Unlike the shoemaker's child, a decorator gives time and thought to the furnishings of her own home. Illustrated on these pages is the duplex pent house apartment of Mrs. James C. Rogerson, president of the Arden Studios. The dining room walls are painted in scenes of old New York, with woodwork deep yellow and apple green moldings above the mantel to conform with the mirror frame. At the left is a view of the roof terrace and on the right the tiny spiral staircase

G. W. Harting

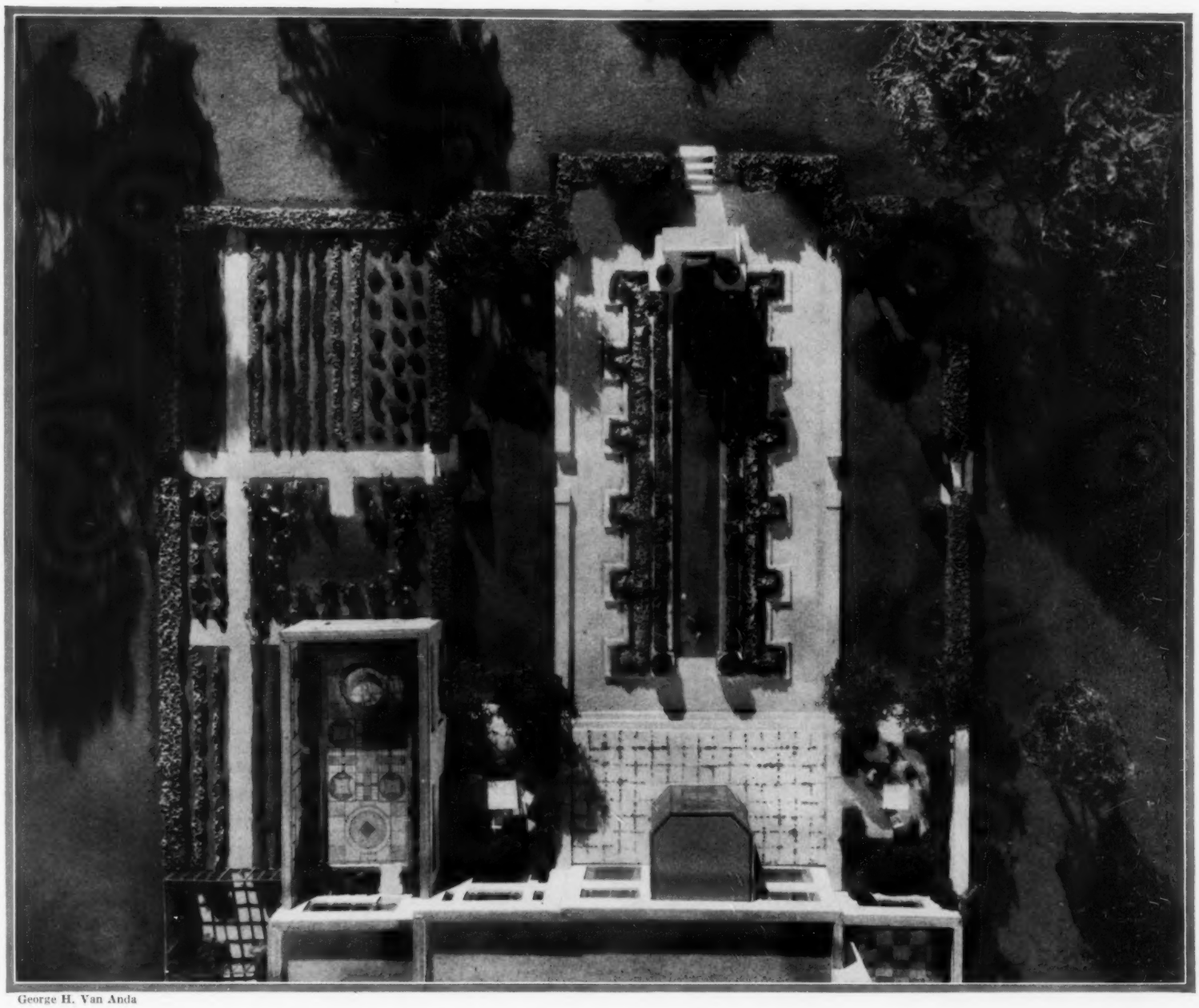
The Georgian living room, with its dignified background of pine paneling, is warmly colorful owing to the varied tones of textiles and rug. Plenty of rich color should be used in wood rooms on account of the somewhat neutral tone of the background. Here the sofa is in reseda green brocatelle, the Chippendale chair in old gold velvet and the desk chair in green and gold damask. Curtains are of gold brocatelle and the Hamadan rug is green, gold and apricot on blue. Over the mantel hangs a Yüan Dynasty Chinese painting on silk

Eighteenth Century Furnishings Prevail In A Decorator's New York Pent House Apartment

Roulando

In sunny climates—California and the Southwest—the white-walled house serves a definite rôle as a background against which planting is repeated in shadow and planting is so placed that shadows pattern the wall. So it is at the home of Charles W. Oliver, architect, River Oaks, Houston, Texas

Foliage Patterns And White Walls



George H. Van Anda

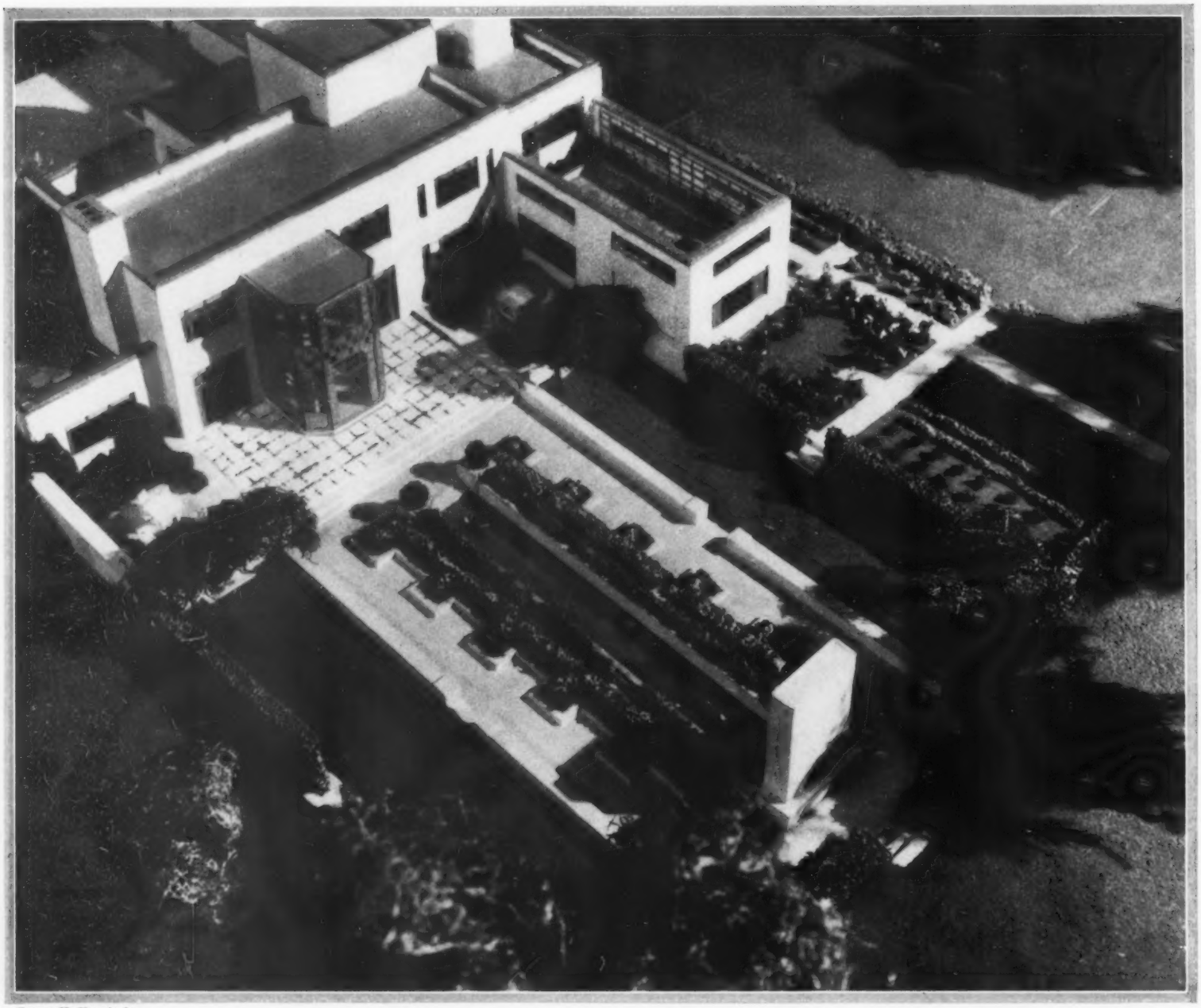
Grounds And Gardens For The Modern House

The garden area is divided into sections tied together with a hedge of Regel Privet, to be replaced by Australian Pine in southern sections. Off the breakfast garden is a cutting garden, followed by Rose, vegetable and fruit sections. Mary Rutherfurd Jay, landscape architect

IN the January issue we described the architecture and room plan of *House & Garden's* Modernist House, as exemplified in a scale model designed by Francis Keally, architect. The February issue took up the tale of the interiors, in which Miss Margaret McElroy, decorator of the *House & Garden* staff, suggested the color schemes and furnishings of the principal rooms. In each of these presentations the old and the new were mingled—the architecture was modern without going to the objectionable, ugly extremes of fanatics abroad, and in the rooms the furniture selected was an harmonious combination of modern and traditional pieces set against modern backgrounds. This month we approach the garden, and with the same regard for both the past and the future.

The landscaping and layout of the grounds for *House & Garden's* Modernist House were designed by Mary Rutherfurd Jay, garden architect. In her plan, which is exemplified by detailed photographs of the model, she has followed those principles of modern garden designing which make it a departure from the style of previous generations. These principles are: simplicity of plan, unity of design and minimum of upkeep. Thought has also been given to the effect in winter as well as in summer, and with a judicious use of sugar the photographer has produced a fairly chilly and convincing winter scene. The planting throughout has been studied to fit and harmonize with the general character of the house itself, together with the flat character of the terrain—a long suburban lot, 200′ x 275′ so that the house and its grounds present a complete and unified composition.

It will be remembered that among the features of this modern plan was placing the garage on the street side and linking it to the house by a covered drive. Between the garage and the street a plain lawn was spread, broken at necessary points by groups



George H. Van Anda

of shrubbery. Vines were also planted to soften the front walls of both the garage and the house. In the plant list found at the end of this article names of shrubbery suitable for these plantings, both North and South, are given.

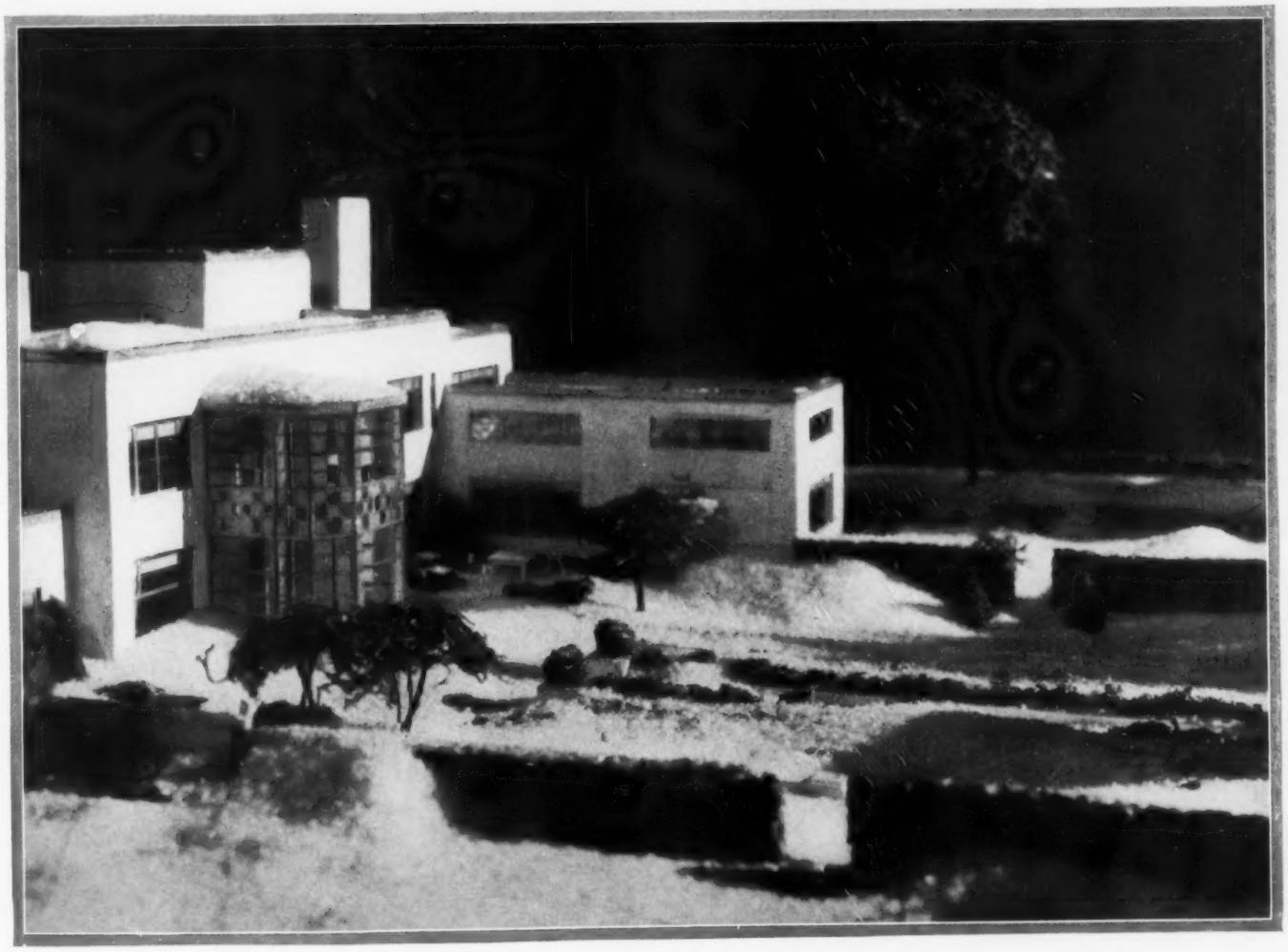
A study of the bird's eye view on this page reveals that the design has divided the garden property into definite sections, as definite as the rooms in the house itself, and with equally marked individual character. This is one of the best ways to give a semblance of space to a small garden and also the best to afford variety in both large and small places.

Immediately off the windows of the breakfast room is a little rectangular plot fenced in with open lattice. This is the Breakfast Garden. Its planting plan calls for a succession of brilliant flowers, annuals mostly, that can greet the eye of mornings.

A gate in the lattice opens on a long path on each side of which is room for a Cutting Garden, with annuals and a few perennials planted in rows, which makes for ease of both cutting and cultivating. At the cross path begins another section and here is laid out a Rose Garden—on one side of the path Hybrid Perpetuals, which require space; on the other side, beds of Hybrid Teas around a little grass plot. Across the path we reach a Vegetable Garden which, though small, will furnish quite a succession of vegetables if the crops follow each other closely. If one chooses, this space could be devoted to fruits—the bush varieties, such as Currants and Raspberries, in the rear, with a Strawberry patch and a line of Rhubarb in front. The paths could be lined with fruits grown espalier-fashion as they do in France, on low wires—Apples and Pears and even Cherries. In the narrow strip between the path and the boundary

(*Continued on page* 150)

The house garden begins with a paved terrace which constitutes an outdoor living room in pleasant weather. From this, two broad steps lead to the central panel with its long pool flanked by massed flowers in selected colors. Gravel extends from these beds to the retaining wall, and beyond is turf. Views in summer and winter are on the opposite page



S. H. Gottscho

Modernize Your House By Modernizing Its Design

R. W. Sexton

ADVERTISERS often appeal to us through some phrase about modernizing the house. Sometimes this means to conceal an awkward radiator; in other instances, it implies the installation of up-to-date plumbing fixtures; or again it necessitates equipping your house with an artificial ice plant. And, the advertisement goes on to say, we then can boast of a modern house.

We of today want to live in houses which are modern and we want to enjoy every convenience which this modern age offers. But how many of us can help throwing up our hands in astonishment at the suggestion that we modernize the design of our houses?

Do not misunderstand me. When I say a modern design, I mean a design that gives evidence of some originality on the part of the designer. During the past fifty years we have been such slaves to the periods of four and five centuries ago that originality was given little chance for expression. We got into the habit of looking at period designs somewhat as standards on which all architectural and decorative design was based. When we invited an architect to draw up plans for a new house for us, we showed him in a book on Colonial, Spanish or English architecture the "style" of house we liked. And, in most cases, the architect followed rather closely, too closely, the design of the house pictured. Architecture was thus carried on in somewhat the same manner as the ladies' tailor operates.

We have not yet outgrown this idea of "copybook architecture," but we have made a start in the right direction, anyway. It is perfectly natural that we like the designs of one period better than another, and it may not be entirely out of place for us to designate some house already built as measuring up to our ideas of good taste. For we must not forget that it is the architect's business to design a house for us that will satisfy us: a house that will meet our individual needs and reflect our personality and character. And this is one way, I submit, in which we may be able to show our architect certain ideas which will actually express our individuality.

The big mistake in this era of "copybook architecture" was largely due to the architect. He designed your house too much like the model you had selected. He copied it outright, while he should merely have taken his cue from it and given you an original design. In other words, when you tell your architect that you prefer the Colonial style of architecture to all others, you do not necessarily mean that you want a house that is true in every detail to Colonial architecture, but you rather expect

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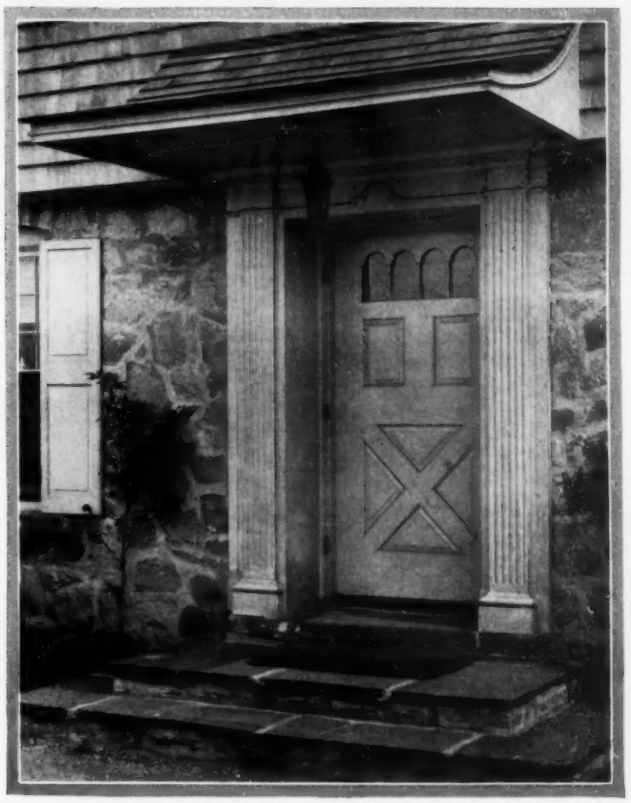
(Above) Although it bears decided evidences of Spanish influence, this residence in San Antonio, Texas, is modern by reason of the original manner in which old Spanish ideas have been adapted. Atlee B. and Robert M. Ayers were the architects

(Opposite page) The Classic lines of the portico of the Wilputte residence in New Rochelle, N. Y., are very reminiscent of Colonial days, and yet a close examination shows that the principal details are original. Julius Gregory was the architect

In both its design and the materials used, the residence of William Van Kirk at Fairfield, Conn., follows the Early American farmhouse manner. The first story is surfaced with local fieldstone on the front and the terrace face is a combination of brick and stone coated with whitewash having a grayish cast. Shingles are in dull grays. To the right of the central hall is the living room and at the left are dining and service rooms. Four master's rooms and three servants' rooms occupy the second floor

Amemiya



To the rear stretches a broad grass terrace. Low shrubs and bushes break up the otherwise sharp definition between house and site and mask the service yard. The porch opens from the living room and the awning-protected entrance is to the hall. The hooded doorway shown at the right is typical of some of the early Connecticut farmhouses. Note the pleasant contrast between stonework and wood entrance pilasters. Walter Bradnee Kirby was the architect of this residence

A Connecticut Version

Of The Early American Farmhouse

Principles To Follow In Staging A Flower Show

Mrs. William H. Darrow

THERE is to-day an unprecedented interest in gardening, and hand in hand with it goes the flower show. Sometimes the gardens come first and the displays follow; but often the shows come first and many new gardens are the outcome of them. In either case the flower show, if properly managed, is of great value to both the garden club which sponsors it and to the whole community.

Someone has said that "the desire to excel one's fellows is the spirit that has been behind all human progress." This is just as true of gardens and gardeners as it is of any other occupation, and if this spirit is properly directed in well organized competitions, in clubs and whole communities, new and added interest will be created in all phases of gardening.

The show may be a general display in spring, autumn or midsummer, showing as many and varied blooms as possible, or it may be a smaller one limited to some one particular flower, such as Daffodils, Tulips, Iris, Peonies, Delphiniums, Gladioli or Dahlias. In any case many of the general rules are the same.

THE RIGHT PLACE

First of all choose the right place to hold the exhibit. There must be space enough not to be crowded and yet not so large that the exhibits are lost. The place should be within easy access of a large number of people. Sometimes armories, art museums, women's clubs and other public buildings can be used to advantage. Sometimes department stores will co-operate.

Wherever it is, the exhibits should be attractively placed and the surroundings made as lovely as possible, in keeping with the flowers exhibited. The tables used for displays should be uniform and all covered with the same kind and color of paper or cloth. This not only gives a better appearance, but makes it a little easier for the judges. Some very attractive color schemes can be worked out for different shows, such as white-covered tables with green containers for Daffodils and green-covered tables with black containers for the gayer Tulip show.

What kind of containers can be used? If the garden club treasury is low (and which one isn't?) a very simple thing to do is to use half-pint, pint and quart fruit jars, depending on the size and length of stem of the flowers. Cover these with the heavy crêpe paper such as florists use on flower pots. Pin it at top and bottom and flute the top edge. For collections of larger flowers such as Peonies and Iris, some of the gallon crocks and tall pottery jars can be used. But cover these also to adhere to the color scheme. The containers for all entries except those in artistic arrangements should be uniform and furnished by the sponsors.

ENTRANCE FEES

Then there is the question of an entrance fee. Of course the show is open to the public, but a Michigan Garden Club charges the nominal sum of twenty-five cents admission, because they feel that the public enjoys what they pay for. If there is a fee, it should be small and it is often wise to use it toward some civic project. One Ohio Club holds its exhibits in a department store and cannot charge general admission, but they do ask a twenty-five cent fee for each entrant. This helps to defray the expense of the ribbons offered as rewards.

And shall the rewards be only ribbons or something of monetary value? Ribbons or cards are all that are necessary. Real gardeners are just as proud of a ribbon as they are of a silver cup or vase. However, when a club is trying to spread its influence and reach a larger public, prizes of intrinsic value do help. If there are local nurserymen, they are often glad to give plants, shrubbery and bulbs as prizes. It connects their name with the exhibit, brings people to the nursery and is good advertising.

The classification of the entries is the most important question of all. A large number of small exhibits instead of a few large ones should be the aim. To accomplish this, make as many divisions and sub-divisions as possible. This gives the person with the small garden a chance to compete with the owners of large gardens in some classes at least and makes possible many more entrants. Recognition of the people who grow large quantities and make various exhibits can be made by awarding grand prizes for total number of points received. There should be some classes for unnamed varieties to give beginners a chance. The named entries are valuable to the public, because it is from them that they make up their lists of things to be added to the garden.

In making the classification keep in mind the fact that only things which are alike can be compared and so bring them together to be judged. If professionals exhibit, they should be judged separately from amateurs. The question of just what constitutes a professional and an amateur generally arises and it has been decided that "an amateur is one who grows his plants for the love of it and whose sales from his garden do not exceed his outlay for seeds and plants with which to keep it up."

CLASSIFICATIONS

The United States Department of Agriculture publishes a bulletin, *Horticulture Exhibitions and Garden Competitions*, by F. L. Mulford, No. 62, which gives a great deal of valuable information about classification. The larger number of classes is not only much fairer to the exhibitors, but it again makes it easier for the judges.

The Little Gardens Club of Dayton, Ohio has held a Daffodil Show and a Tulip Show for two successive years. They have worked out a very successful classification list for each show, which may be of help to clubs who are just starting. They are appended to this article. The Daffodil Show had forty-six entrants with 356 entries and the Tulip Show seventy-six entrants with a total of 563 entries. Both shows were open to the public immediately after the judges finished. At the end of the second afternoon all flowers were sold at a very low price and the proceeds paid for all expenses and left a profit of $60,000 which

(*Continued on page* 162)

Healy

Daffodils naturalized in meadows and wood should not march in straight lines like an army on parade, rather should they be deployed in straggling formation—here massed, there scattered, as in this woodland at Bridgeport, Conn. Planted by Marian C. Coffin, landscape architect

Straggling Armies Of The Daffodils

House & Garden's Gardening Guide

In the following lists of plant material emphasis has been laid on practical rather than complete selections. The aim is to suggest those types and species which are the most satisfactory and sufficiently numerous to meet the majority of needs, and to give essential facts about them. The lists were compiled by F. F. Rockwell.

FLOWERS, TREES, SHRUBS AND VINES

NAME	HEIGHT	SEASON	COLOR	CULTURE AND USE (Heavy type indicates especially good varieties)
ANNUALS				
Ageratum	12″	June-Nov.	Blue or white	Set out potted plants or sow seed outdoors; pick old flowers; solid bedding; edging.
Alyssum (Sweet)	10″	May-Nov.	White or lilac	Set out plants; sow every three or four weeks for succession of bloom; informal edging; display; rock work.
Begonia (*B. semperflorens*)	12″	July-frost	White, pink, red	Buy plants; start seed indoors, or sow outside in warm, fine soil; best summer bedding plants for hot, sunny locations.
Blue Laceflower (*Didiscus*)	24″	July-Sept.	Light blue	Graceful; exceptional for cutting, especially for bouquets.
Calendula	15″	June-Oct.	Orange, yellow	Sow in late spring; transplant to at least 12″ apart; fine for color and cutting. **Orange-King.**
California Poppy (Escholtzia)	12″	June-Nov.	Various	Sow early as possible; thin to 6″; ground cover of brilliant color. **Double Gold Cup.**
Calliopsis (Coreopsis)	18″	June-Oct.	Yellow	Yellow daisy-like flowers on graceful stems; one of the best for both garden and cutting; always in bloom.
Candytuft	15″	June-Sept.	White rose	Sow April; again May; likes cool weather. **Giant Hyacinth Flowered.**
China-aster (*Callistephus*)	20″	July-Sept.	Various	Start indoors or in seed bed outside; 18″-24″ apart; exceptionally fine for cutting.
Clarkia	18″	July-Oct.	White and rose	Sow outdoors early; blooms in 6 or 8 weeks; bushy growth, excellent for cutting
Cosmos	50″-70″	July-Nov.	Pink or white	New early flowering sorts may be sown out-of-doors; start old types under glass; back of border; cutting.
Gypsophila (Babysbreath) (*G. elegans*)	12″	June-Sept.	White, rose	Sow early April and at monthly intervals to Aug. for succession; indispensable for cutting, with other flowers; good display.
Larkspur	36″	June-Oct.	Blue, various	Sow April-May; excellent for back of border, also for cutting. **Exquisite.**
Lobelia	6″-12″	June-Sept.	Blue, white	Start plants or sow where to bloom in April; excellent edging; also bedding and cutting.
Lupine	24″	June-July	Blue, various	Sow in May where to bloom; sweet soil; border; cutting.
Marigold	24″	July-Oct.	Yellow, various	Outside in May; transplants readily; varieties for edging; border; cutting.
Mignonette	12″	June-Oct.	Pinkish-white	Sow in open where to grow; most delicious fragrance of all annuals.
Nasturtium	15″-6′	June-frost	Various	Sow April outdoors; dwarf and climbing varieties; thrives in poor soil.
Petunia	15″-24″	June-Oct.	Pink, various	Start indoors or sow outside May; spreading border; masses of color. **Burpee's Blue.**
Portulaca	5″	July-Oct.	Pink, various	Rake seed in lightly; thin to 4″; best ground cover for hot, dry location; brilliant colors.
Phlox drummondi	15″	June-July	Rose, various	Sow as above; thin to 6″; blooms in few weeks; brilliant ground cover.
Scabiosa, Sweet	30″	June-Nov.	Various	Sow outside in May; transplant to 8″; remove all flowers; fragrant; for cutting.
Snapdragon (Antirrhinum)	18″-30″	June-Nov.	Various	Start indoors or outside in April; transplant to 12″; pinch back; excellent for display and cutting, especially late autumn.
Stock	20″	June-Sept.	Various	Two or three sowings; transplant to 12″; fragrant; cutting.
Verbena	8″	July-Nov.	Various	Extra good ground cover, especially for late autumn; brilliant display.
Zinnia	30″	July-Aug.	Various	Indoors or outdoors, April; 18″ apart; display; cutting; try new named varieties.
PERENNIALS				
Achillea (Yarrow)	48″	July-Aug.	Yellow	Full sun; succeeds in dry soil; back of border; fair for cutting.
Aconite (Monkshood)	48″	Aug.-Sept.	Blue, white	Rich moist soil; partial shade; back of border; display; cutting.
Alyssum, Hardy (Golden Tuft)	12″	April-May	Golden yellow	Creeping, solid masses of color; excellent for low border or rock garden; remove old bloom.
Anemone, Japanese	30″	Sept.-Nov.	Various	Most graceful of late fall flowers; slight protection; for display and cutting.
Aquilegia (Columbine)	18″-36″	May-June	Various	Full sun; beautiful for both display and cutting. **Scott-Elliot hybrids.**
Arabis (Rockcress)	10″	April-May	White	Low spreading; excellent with Alyssum above; thrives in poor soil; edging; rock gardens.
Asclepias tuberosa (Butterfly Weed)	24″	July-Sept.	Brilliant orange	Thrives in dry, well drained soil; most brilliant orange perennial, deserving wider use.
Aster, Hardy	48″	Sept.-Nov.	Blue, lavender	Several types, all excellent; light blue and lavender flowers good both for display and cutting; poor soil.
Astilbe, David	60″	June-July	Pink, rose	Partial shade; moist soil; display; cutting; loose, plumy flower heads.
Balloonflower (Platycodon)	24″	July-Nov.	Deep blue, white	Either sun or shade; prefers sandy, well drained soil; good display; excellent for cutting.
Bleedingheart (Dicentra)	18″	April-June	Deep rose	Partial shade; any soil; plumy foliage; drooping, graceful flower spikes; border; cutting.
Bocconia (Plumepoppy)	60″-70″	July-Aug.	Pinkish	Any soil; vigorous; spreads rapidly; rather coarse; needs abundant room.
Campanula (Bellflower)	24″-36′	June-July	Various	Several types; best treated as biennials; flowers very attractive.
Chrysanthemums, Hardy	30″-40″	Sept.-Dec.	Various	Good soil, full sun, winter protection; unequalled for late cutting and display.
Cynoglossum (Chinese Forget-me-not)	18″	June-frost	Blue	Forget-me-not-like sprays of blue flowers during late summer; excellent; recent.
Daisy, Shasta	18″	June-Nov.	White	Prefers cool, moist soil; wonderful display of Daisy-like flowers; cutting. **Alaska.**
Daylily (Hemerocallis)	30″	May-July	Yellow, orange	Good soil; prefers partial shade; superb display; good for cutting.
Delphinium (Larkspur)	36″-60″	June-Sept.	Blue, various	Easily grown from seed; wonderful new hybrid; best of all blue perennials; unexcelled for cutting.
Dianthus (Hardy Pink)	10″-18″	May-July	Pink, various	Easy from seed; several types; fragrant; free blooming; excellent cutting. **New Types.**
Digitalis (Foxglove)	50″-60″	July-Sept.	Pink, various	Back of border; groups against wall or shrubs.
Doronicum (Leopardbane)	30″	April-May	Orange	Well drained soil; full sun; Daisy-like flowers wonderful in masses; fine display; excellent for cutting.
Evening Primrose (Oenothera)	18″	July-Sept.	Primrose yellow	Excellent for exposed sunny location, or rock garden; well drained soil; continuous flowering.
Gaillardia (Blanketflower)	24″	June-Nov.	Bronze	Grows easily from seed; very continuous flowering, fine for cutting. **Portola** and **Portola Hybrids.**
Geum	15″	May-Oct.	Crimson, orange	Readily grown; fine for display; excellent for cutting, good for rock garden. **Lady Stratheden Opal.**
Gypsophila (Babysbreath) (*G. paniculata*)	30″	June-Sept.	White	Full sun; successful in dry soil; 12″ apart; plant near stiff-growing flowers; indispensable for cutting. **Bristol Fairy.**
Gypsophila, Creeping (*G. repens*)	5″	July	Rose	Creeping plant; dry, sunny location; low border or rock garden.
Heuchera (Coralbells)	12″	May-Sept.	Red, pink	Easy from seed; sun or shade; flowers on tall stems; excellent display; also dainty for cutting
Hollyhock	60″	July-Sept.	Various	Easy from seed; full sun; plant against wall or back of border; staking; dominates back of border; good for individual plants. **Newport Pink.**
Iberis (Evergreen Candytuft)	10″	April-May	White	Easy from seed; hardy edging plant; rock garden.
Iris	8″-30″	April-July	Various	Use several types to get succession of bloom; one of most satisfactory of all perennials; dry or moist soil. **Mother-of-Pearl** and **Lord of June.**
Kniphofia (Torchlily)	30″	Aug.-Nov.	Orange, red	Protect; take up north of Philadelphia; a flame in the late fall garden.
Lupine, Hardy	36″	May-June	Blue, various	Easy from seed; does not need replanting; any soil; full sun; border; cutting.
Marshmallow (Hibiscus)	60″	Aug.-Oct.	Pink, white	Easy from seed; moist soil preferable, and part shade; shrub-like growth; very bold display; 10″ across; shrub border or back of perennial border.
Mistflower (Eupatorium)	20″	Sept.-Oct.	Blue	Ageratum-like flowers on long stems; any soil; full sun; light winter protection; excellent for both border and cutting.
Myosotis (Forget-me-not)	10″	May-Oct.	Delicate blue	Easy from seed; spreads rapidly; Dissitiflora for spring ground cover bulbs; Semperflorens good cutting.
Peony	30″	May-June	Various	Sun or slight shade; deep soil preferable; in front of shrubbery border; some varieties fragrant. **Le Cygne.**
Phlox (Garden)	30″	June-Oct.	Various	Rich soil fairly moist; full sun; unexcelled for masses of color; cut old flower stalks.
Phlox subulata (Mosspink)	5″	April-May	Various	Spreading habit, covered with bloom; any soil; full sun; border or rock garden; bright color display early spring.
Poppy, Iceland	12″	May-Oct.	Various	April sown seed blooms first season; thin out; colorful ground cover; also cutting.
Poppy, Oriental	30″	May-June	Orange	Brilliant display; need no replanting; easy from fresh seed. **Olympia.**
Primula, Hardy (Primrose)	10″	April-May	Yellow	Start like biennials; well drained soil; sun or part shade; color for early display; rock garden.
Scabiosa (*S. caucasica*)	20″	May-Oct.	Lavender	Rich soil; full sun; winter protection; unusual color; good cutting.
Stokesia (Cornflower-aster)	18″	June-Nov.	Blue, white	Good from seed; sandy soil preferable; full sun; very free flowering; fine for border and for cutting.
Sunflower, Hardy	50″-60″	July-Sept.	Yellow shades	Vigorous, somewhat rank grower; spreads rapidly; back of border or for individual plants; good for cutting.
Sweet-William (Dianthus)	15″	May-June	Pink, various	Easy from seed; handle like biennial; full sun; fragrant; fine for border and cutting.
Thalictrum (Meadowrue)	36″	June-July	Light pink	Moist but well drained soil; sun or part shade; graceful flowerhead; fair cutting. **Dipterocarpum.**
Viola (Tufted Pansy)	6″-8″	April-Nov.	Blue, various	Easy from seed; sun or partial shade, for every garden. **Jersey Gem.**

House & Garden's Gardening Guide

BULBS (Spring Flowering)

NAME	HEIGHT	SEASON	COLOR	CULTURE AND USE
Tulips	12″-36″	May-early June	Various except blue	Early type, single and double, best for solid bed; Mayflowering and Darwin type excellent for hardy border.
Narcissus (Daffodils)	12″-18″	April-early May	Yellow, white	Effective in hardy border; dwarf sorts and species for naturalizing and rock gardens; new varieties with pink shades.
Hyacinths	8″-15″	April-May	All	Just right for solid bedding; smaller-sized bulbs give more graceful spikes for other uses; deliciously fragrant; try clumps in hardy border.
Crocus	4″-6″	April	White, yellow, purple shades	Among the gayest of all spring flowers; plant in groups in front of hardy border or edge of shrubbery, or in lawn where the grass is not cut early.
Scillas (Squills)	6″-18″	March-May	Beautiful, pure blue, white	Several types; plant some of each for succession; groups in hardy border or under shrubbery; excellent for naturalizing.
Grape Hyacinths (*Muscari*)	6″-8″	April-early May	White and blue shades	These follow the Crocuses and belong in every garden; excellent for naturalizing; multiply readily. **Heavenly Blue** variety.
Fritillaria	12″-36″	April-early May	Various	Several types differing widely; tall-growing Crown Imperials good for the border; dwarfer sorts good for naturalizing and rock gardens.
Snowdrop (*Galanthus*)	6″-10″	Earliest spring	White	Dainty little bell-like flowers which ring in returning spring; sunny corner; light soil, mulch with peat to prevent mud spattering; naturalizing; rock gardens. **Elwesi.**

BULBS (Summer Flowering)

Gladiolus	24″-60″	July-frost	Infinite variety	Make succession plantings of early, medium and late sorts at intervals of 30 days for continuous bloom until freezing weather; Primulinus sorts especially fine for cutting.
Dahlias	36″-70″	Aug.-Oct.	Various	Usually planted for cutting, but Single and Pompon excellent in gardens; pinch back for stocky growth; new single, **Newport Wonder**, glorious cut flower.
Cannas	24″-48″	June-frost	Various	Excellent for color masses, especially at distance; splendid new varieties; good temporary screen or border line.
Begonias (Tuberous)	12″-18″	July-frost	Various	Finest of all bedding plants for shaded situations; use peat or humus in soil; marvelous shades of color, various shaped; should be used much more generally.
Summer Hyacinth (*Hyacinthus*)	48″	July-Sept.	Pure white	Numbers of bell-shaped flowers on tall spikes; striking, especially against green foliage; remove old spikes; new ones for many weeks; splendid flower; worthy of wider use.
Tritonia (Montbretia)	36″-48″	Aug.-frost	Various	Hardier and much more graceful cousins of the Gladiolus; brilliant colors; excellent for border, landscape or cutting.
Oxalis	6″-8″	June-frost	Yellow, various	Marvelously free flowering, gay colored little plants; excellent for edging; front of border, or in vases or hanging baskets.
Hardy Lilies	18″-80″	July-Sept.	Various	Well-drained soil where roots will be shaded; mulch for winter.

SHRUBS (Deciduous)

Althæa (Rose of Sharon)	6′-10′	Aug.-Sept.	Pink, lilac	A well-known shrub, flowering profusely late in the season.
Azalea	2′-12′	April-July	Various	Like peaty soil; semi-shade; most brilliant flowering shrub of early spring; combines well with evergreens. For varieties, see catalogs.
Barberry, Jap. (*Berberis thunbergi*)	3′-4′	Berries in winter	Red autumn foliage	Most satisfactory informal hedge; also in groups and as individuals; new brilliant red leaved variety **atropurpurea.**
Buddleia (Butterfly bush)	5′-7′	July-Sept.	Lavender	Graceful, spreading shrub; Lilac-like sweet, scented bloom, always attracts butterflies; hardy, but herbaceous in north.
Chaste-tree (*Vitex*)	4′-10′	July-Sept.	Blue, lilac	Aromatic foliage; most ornamental; best blue late-flowering shrub; new low-growing variety **macrophylla** especially fine.
Cotoneaster	1′-5′	Spring-winter	White, red	Splendid low-growing shrub; white flowers followed by red or coral berries; excellent for foundation and rock garden.
Daphne (Garland Flower)	18″-3′	March-Apr.	Red, lilac	Dainty, beautiful low shrub; excellent for foundation or rock garden; especially in sheltered location; often late autumn bloom. **Cneorum, mezereum.**
Deutzia	3′-8′	Spring-summer	White, pink	Rather slender, graceful shrub; excellent border, foundation planting or specimen; var. **Pride of Rochester** especially good.
Elderberry (*Sambucus canadensis*)	5′-8′	July-Sept.	White	Fragrant white flowers followed by conspicuous black or purple berries; good for wine, new variety **pubens** extra-fine.
Enkianthus (Redvein)	6′-8′	May	Pink	An exquisite shrub, charming bell-shaped flowers. Autumn foliage exceedingly striking.
Flowering Almond (*Prunus glandulosa*) (*Amygdalis*)	5′-15′	April-May	Pink, white	Shrubs or small trees with beautiful small flowers; double sorts; succeed almost anywhere; most ornamental.
Flowering Quince (*Cydonia japonica*)	5′-8′	April-May	Scarlet	Extremely hardy; grows anywhere; flowers best in full sun; new pink-flowered form available.
Forsythia	5′-10′	April-May	Golden yellow	Several varieties; both upright or drooping; hardiest early yellow-flowering shrub; always satisfactory; border, foundation or specimen. **Spectabilis.**
Highbush Blueberry (*Vaccinum corymbosum*)	6′-8′	May	White	Excellent hardy shrub for picturesque effect; acid soil; pinkish-white flowers, followed by blue berries.
Honeysuckle (*Lonicera*)	3′-8′	All season	White, yellow	Several shrubby or bush types, excellent for border or specimens, also banks; fragrant; fairly everblooming.
Hydrangea	4′-10′	July-Sept.	White, pink, blue	Several types; smaller sorts good for foundation and border planting, larger for border and individual specimens.
Japanese Maple (*Acer palmatum*)	5′-10′	All season foliage	Green, red shades of foliage	Extremely ornamental shrub or little tree; highly-colored foliage; specimens; rock gardens; give somewhat sheltered location.
Japanese Snowball (*Viburnum tomentosum plicatum*)	6′-10′	April-May	White	Spreading shrub covered with ball-like flowers; individual specimens or shrubbery border.
Kerria (Globeflower)	5′-7′	June-July	Golden yellow. white	Small golden or white globes in great profusion; border or individual specimens; best yellow for midsummer.
Kolkwitzia amabilis (Beautybush)	7′-9′	June	Pale pink	Very fine shrub, the slender branches literally covered in early summer; pink flowers; a recent introduction.
Lagerstroemia (Crapemyrtle)	10′-25′	August	Pink, lilac	Beautiful large shrub, flowering profusely in late summer. Hardy south of Philadelphia.
Lilac (Syringa)	6′-15′	May-June	Many colors	Well known spring-flowering shrub, exceedingly beautiful new varieties. See catalogs.
Malus (Flowering Crab)	5′-10′	May	White, pink, red	One of the finest flowering shrubs or small trees. See catalogs.
Mockorange (*Philadelphus*)	8′-12′	June-July	White	One of best white-flowering shrubs; border or specimens; new varieties, including **Virginal.**
Privet (*Ligustrum*)	4′-15′	May-June	White	Several types; excellent for hedges; also flower prettily if allowed to grow naturally; excellent in border or as specimens, though seldom so used.
Red-osier Dogwood (*Cornus stolonifera*)	8′	May-June	Red	Valuable for blood-red stems, winter and spring; wet-soil border, clumps especially in wet soil; remove old wood.
Strawberry Shrub (Sweet Shrub) (*Calycanthus floridus*)	6′-12′	May	Chocolate	Especially valuable for its delicious fragrance; fairly ornamental; good specimen; old-fashioned, but well worth planting.
Summersweet, Sweetpepper Bush (*Clethra alnifolia*)	6′-10′	July-Sept.	White	Excellent for shady location; stands moist soil; delightfully fragrant; desirable for cutting; neglected native shrub.
Sweetfern (*Comptonia asplenifolia*)	2′-3′	All season foliage	Sage green foliage	Excellent for covering dry banks where little else will grow; fernlike foliage deliciously aromatic; native.
Spirea	4′-8′	May-Sept.	White, rose	Graceful, some drooping; for border, foundation planting or specimen; **prunifolia** is earliest to bloom; **tomentosa** latest; **van Houttei; Anthony Waterer.**
Tamarix	10′-15′	May-July	Pink	Especially for seashore planting; hardy to N. Y.; tropical, graceful, fernlike foliage; flowers in plumy sprays; excellent background for rock garden.
Viburnum	2′-10′	Spring-summer	White	Various types, all good, including some of best plants for individual specimens, also for border. **Carlesi; plicatum.**
Witch-hazel (*Hamamelis*)	5′-10′	Oct.-Nov.	Yellow	Latest-flowering hardy shrub; good under-shrub edge of woods; also in border, for rough corners.
Weigela	6′-8′	July-Sept.	Rose	Good for border; conspicuous flowers, but rather coarse growth; **Eva Rathke** is best and freest blooming variety. **Amabilis; rosea.**

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TREES (Deciduous)

NAME	HEIGHT	CHARACTER	USES AND REMARKS
Beech (*Fagus*)	50′-100′	Spreading, open growth; gray trunk, conspicuous in winter and spring; free from insects.	Good in groups or singly; Purple Beech and Weeping Beech especially good as specimens of moderate height.
Birch (*Betula*)	40′-100′	Graceful form; rapid growth; conspicuous trunk.	Effective either as specimens or combined with evergreens.
Dogwood, Flowering (*Cornus florida*)	12′-20′	Small tree with horizontal branches; clouds of whitish flowers in May; autumn coloring. Also pink-flowered form.	Good lawn specimen, especially near residence; a tree for every lawn and woodland.
Elm (*Ulmus*)	80′-120′	Most graceful of all large trees; any soil; fairly rapid growth.	Unexcelled for street planting, also for framing views or vistas. Chinese Elm is small sort, excellent for small grounds.
Flowering Cherry (Higan or Jap. Cherry) (*Prunus subhirtella*)	20′-30′	One of the most beautiful of all flowering trees. Pink and white forms.	Specimens are especially effective near water or among evergreens.
Hawthorn (*Crataegus*)	6′-20′	Pink, white, red; a well formed small tree.	Fine as specimen or for backgrounds. Flowers in spring.
Horsechestnut (*Aesculus hippocastanum*)	12′-30′	Broad, spreading head; dense foliage; vigorous growth.	Excellent shade tree for fairly large areas; beautiful in flower.
Honeylocust (*Gleditsia*)	50′-100′	Rapid grower, extremely hardy; withstands drought.	Quick results for hedge, screening, or fair shade.
Linden (*Tilia*)	80′-120′	Broad, pyramidal form with somewhat drooping branches.	Excellent for shade or specimen. *T. vulgaris* quite fragrant.
Magnolia	20′-40′	Branching, open, small tree with conspicuous flowers.	Excellent as lawn specimen in somewhat protected position; white and pink forms.
Maple (*Acer*)	30′-100′	Rapid growing; thrives in most soils; shade; good fall color.	Good quick shade tree, but some not long-lived. Norway Maple very desirable.
Maidenhair Tree (Ginkgo)	50′-80′	Unique; irregular form; unusual foliage; rapid grower.	Good for street planting or specimen.
Mountain-ash (*Sorbus*)	15′-25′	Irregular, open, small tree; attractive foliage; wonderful show of red fruit in autumn and winter.	Small lawn specimen, or very attractive near evergreens.
Oak (*Quercus*)	30′-100′	Pyramidal or rounding with irregular horizontal branches; distinct character; fine autumn coloring; long-lived.	One of best permanent street, shade or specimen trees; varieties differ considerably; select carefully before planting.
Planetree (*Platanus*)	75′-100′	Tall trees; irregular spreading branches; usually handsome bold trunks, conspicuous as bark sheds.	Very rapid growing tree, shade and specimen; among most satisfactory of all trees.
Poplar (*Populus*)	50′-125′	Broad, spreading form; attractive foliage; leaves shiny, usually in motion; not long-lived.	Best employed as temporary tree for quick results. Lombardy Poplar good for quick formal effect.
Redbud (Judastree) (*Cercis canadensis*)	20′-35′	Irregular growth; picturesque; conspicuous early blossoms.	Excellent specimen, especially in naturalistic setting.
Sassafras	25′-50′	Irregular, picturesque, ornamental with green bark in winter and golden in spring; excellent autumn color.	Specimens, groups or back of shrubbery border; much neglected American native tree; any soil.
Sweet Gum (*Liquidambar*)	20′-40′	Tree of medium size, beautiful foliage, odd-looking burrs in autumn.	For almost any location if not swampy. Purplish-crimson autumn foliage. Not hardy far north.
Tuliptree (*Liriodendron tulipifera*)	80′-120′	Splendid, dignified pyramidal tree with attractive foliage and yellow-green, Tulip-like flowers.	Splendid for street, specimen or shade; magnificent tree deserving wider use.
Willow (*Salix*)	40′-80′	Most graceful, large tree; very rapid grower.	One of the most easily grown and decorative of all.

TREES (Evergreen)

(Note: Remarks apply to species or types; there are dwarf forms, and varying shapes and colors in the catalog varieties.)

Firs (*Abies*)	40′-75′	Stiff pyramidal form; horizontal branches, smooth bark, upright cones.	Avenue planting, specimens, windbreak; prefer moist soil; handsomest young; picturesque, if not ragged, with age.
Spruce (*Picea*)	40′-75′	Similar to Fir; somewhat more graceful; rough bark; cones pendant; branches often curved gracefully.	Like Fir, somewhat better under unfavorable conditions; wonderful hedge; great variety color tones.
Douglas Fir (*Pseudotsuga douglasi*)	50′-100′	Much more graceful than either of the above; bluish green foliage; young growth beautiful; vigorous, healthy grower.	As above; one of the most satisfactory of the big evergreens; handsome small, magnificent full grown.
Hemlock (*Tsuga*)	40′-80′	Most graceful of all evergreens; pendant branches, fine foliage; dark green, silvery beneath; retains gracefulness with age.	Individuals or groups; unsurpassed background for other plants or as clipped hedge; stands more shade than others.
Pine (*Pinus*)	40′-80′	Bold trunk; horizontal branches; dignified and picturesque with age.	Will succeed in many locations where all above do indifferently; adaptable to all purposes.
Larch (*Larix*)	30′-60′	Deciduous evergreen; very graceful; picturesque; healthy, rapid grower.	Good for summer shade, but admitting winter sunshine, Japanesque effect; excellent background for rock gardens.
Baldcypress (*Taxodium distichum*)	50′-100′	Well branched pyramidal form with extremely graceful, feathery light green foliage; attractive cinnamon bark.	Splendid specimen in normal or wet soil; hardy to Massachusetts; unappreciated native evergreen.
Arborvitæ (*Thuja*)	3′-20′	Pyramidal or globular habit; broad Fernlike foliage; Amer. varieties hardy; Oriental hardy to N. Y.	Many forms and color tones. Small gardens and foundation plantings; small individual specimens.
Redcedar (*J. virginiana*)	30′-50′	Pyramidal form; fairly rapid growth; extremely hardy; successful on light, sandy soil.	Massed evergreen planting; specimens; dwarfer sorts, like Koster Redcedar, for foundation planting.
Yews (*Taxus*)	3′-30′	Dense upright or spreading growth; darkest foliage of all evergreens; attractive small red fruit; prostrate and upright.	Groups, borders, and good for foundation; Hicks' Yew new, extra hardy upright.
Hinoki Cypress (*Chamæcyparis obtusa*)	2′-20′	Extremely graceful; soft feathery foliage.	Foundation planting; formal specimens; trim well.
Sawara Cypress (*Chamæcyparis pisifera*) (*Retinospora*)	2′-20′	Many most beautiful plumy forms, especially Moss Cypress.	Great variety of forms and colors for all purposes.
Lawson's Cypress (*Ch. lawsoniana*)	20′-40′	Dense habit; distinct, fernlike foliage.	Outstanding evergreen; commands attention as a specimen.
Cryptomeria (*C. japonica*)	15′-30′	Irregular habit; deep green foliage; bronze in winter.	Exotic specimen; hardy to N. Y.

SHRUBS (Evergreen)

Abelia, Glossy (*A. grandiflora*)	6′-8′	Beautiful, smooth, glossy foliage; pinkish white Arbutus-like flowers, June-Nov.	Neat growth; splendid for foundation planting, border or specimen; hardy to Long Island, but not evergreen North.
Azalea (varieties)	3′-6′	Brilliant flowers early spring.	Foundation planting; specimens in sheltered locations; partial shade; peaty soil, well mulched.
Box (*Buxus*)	1′-12′	Extremely dense, thick growth; small shiny foliage; shears well.	Ideal edging and hedge plant; use dwarf type for former; peaty soil preferred; protect north of Long Island, N. Y.
Cotoneaster	2′-6′	Upright or trailing; dense, irregular, bushy growth.	Foundation planting; trailing sorts especially for rock gardens.
Daphne (*D. cneorum*) (Rose D.)	18″	Beautiful fragrant pink flowers more or less throughout season	Foundation foreground, rock garden; hardy but not easy to grow.
Evergreen Burningbush (*Euonymus japonica*)	4′-8′	Broad, thick, shining leaves; dense rapid growth; shears to almost any size or shape.	Splendid for dense evergreen hedge, formal or informal specimen; hardy to Phil., protected location; excellent for seaside.
Holly, American (*Ilex opaca*)	15′-25′	Bushy or tree-like growth, occasionally to 50′; scarlet berries on female plant.	One of the finest of all trees; should be much more generally used; shade or sun; the American Holly is hardy to the New England States.
Inkberry (*Ilex glabra*)	4′-6′	Narrow, bright, shiny leaves, white flowers, ink-black fruit.	Group or foundation planting; native shrub.
Japanese Holly (*Ilex crenata*)	3′-5′	Glistening foliage, small leaves; forms dense bush.	A very fine hardy evergreen which is suitable for use in many situations
Leucothoe (Drooping) (*L. catesbæi*)	6′	Pendant creamy white blossoms and pointed leaves in long drooping sprays, coloring beautifully in autumn.	Excellent edging for Rhododendrons or evergreens; shady spot in foundation planting.

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SHRUBS (Evergreen) (*continued*)

NAME	HEIGHT	CHARACTER	USES AND REMARKS
Mahonia (Oregon Hollygrape) (*M. aquifolium*)	3'-6'	Heavy, spiny, shiny leaves; conspicuous fruit.	Good in border or foundation; sheltered from wind or hot sun.
Mountain Laurel (*Kalmia*)	5'-10'	Irregular, picturesque growth; pointed shiny green leaves and brown bark; unsurpassed beauty when in bloom.	Excellent in shrub border; also for foundation; sun or shade; peaty, acid soil.
Pachysandra (Jap. Spurge)	6"-12"	Spreading habit; dark green leaves; spikes of white flowers, May-June.	Most satisfactory evergreen ground cover for difficult shady spot where nothing else will grow.
Pieris (Mountain Andromeda) (*P. floribunda*)	5'-6'	Beautiful, oval, pointed dark green leaves, making ideal background for sprays of tiny, white bell-like flowers in early spring.	With evergreens in border or in foundation planting; or under large evergreens.
Rhododendron	4'-12'	Well formed, rather spreading when old. Needs acid soil. Large flower heads.	Among the finest of all broad-leaved evergreen shrubs. See catalogs.

VINES

NAME	COLOR	CHARACTER	CULTURE AND USE
ANNUAL			
Cardinal Climber (*Ipomea quamoclit hybrida*)	Brilliant scarlet	Deeply lacinated foliage; covered with bloom; tender; prefers warm, sandy soil.	Rapid grower for trellis and arbor; very striking; fair shade.
Hyacinth Bean (*Dolichos lablab*)	White, reddish	Quick grower to 10'; flowers in clusters.	Good shade or dense screen; may be started early, or plant outside with Lima Beans.
Japanese Hop (*Humulus jap. variegata*)	Foliage	Quick, vigorous, rank grower; distinctly variegated and white blotched green leaves; small green flowers.	Excellent for covering unsightly objects or rough corner.
Moonflower (*Calonyction aculeatum*)	Blue, white, pink	Large flowers; delicate colors; 25'.	Gates, trellises, arbors. Start indoors for early results; new early blooming type best for Northern States.
Purplebell (*Cobea scandens*)	Purple	Very ornamental grower with large purplish flowers; 15'.	Excellent porch vine; best started under glass; seed edge down; pot seedlings.
Morning-glory (*Ipomea purpurea*)	Blue, various	Quick growing to 15'; several types; stands dry weather; blooms freely.	Trellis or screen; best effect with named varieties to get desired color.
Scarlet Runner (*Phaseolus coccineus*)	Bright scarlet	Beans and flowers in small racemes; quick, vigorous growth; pods edible; fruit edible.	Quick, vigorous; will grow anywhere; climbs trellis or string; good screen or cover, fair shade.
PERENNIAL			
Ampelopsis (Virginia Creeper)	Foliage	Vigorous grower; climb or twine; hardy.	Boston Ivy best substitute for English Ivy.
Bittersweet (*Celastrus scandens*)	Orange-red berries	Hardy native vine, unique fruit carried into winter.	Naturalistic effect on trees, shrubs or walls.
Clematis	Various	Graceful, rapid growing vine; attractive foliage and flowers.	One of the finest climbers for trellis, summer-house, etc. Varieties for flowering in spring, summer and fall.
Dutchman's Pipe (*Aristolochia sipho*)	Light green foliage	Broad heart-shaped light green leaves and peculiar pipe shaped flowers.	Very dense shade or close screen; good over summer-house, pergola, etc.
English Ivy (*Hedera helix*)	Green foliage	Heavy glossy leaves; hardy to N. Y.; further north as ground cover.	Unsurpassed wall vine; actual protection as well as ornament; evergreen.
Honeysuckle (*Lonicera*)	White, yellow, red	Persistent, twining vines, very fragrant flowers, blooming to frost.	Good veranda vine, also ground cover; evergreen tendency, especially Hall variety.
Trumpetcreeper (*Bignonia radicans*)	Orange-scarlet	Rampant grower to 30'; twines or clings.	Naturalistic effect; grows anywhere; **Grandiflora**
Wintercreeper (*Euonymus radicans*)	Dark green foliage	Deep green foliage; conspicuous fruit; may be clipped.	**E. r. vegetus** good substitute for English Ivy.
Wisteria	White-lavender, pink	Vigorous, twining, grows to 50'; most picturesque of hardy vines; fragrant flowers in pendant clusters.	For pergolas, gates, veranda, especially where vine can run horizontally.

PLANT MATERIAL FOR VARIOUS PURPOSES

FOUNDATION PLANTING

EVERGREEN TREES	EVERGREEN SHRUBS	SHRUBS	PERENNIALS	BULBS & ANNUALS
Pfitzer Juniper	Rhododendron Hybrids	Glossy Abelia	Ferns (var.)	Tulips
Koster Redcedar	Mountain Laurel	Slender Deutzia	Dianthus	Narcissus
Savin Juniper	Drooping Leucothoe	Spirea (var.)	Daylily (*Hemerocallis*)	Crocus
Juniper (various)	Inkberry (*Ilex glabra*)	Hydrangea (low types)	Sedum	Narcissus species
Yews (various)	Firethorn (*Pyracantha*)	Nandina	Saxifrage	Begonia, tuberous
Chamæcyparis (various)	Mahonia (Oregon Hollygrape)	Flowering Almond	Viola Jersey Gem	Oxalis
Dwarf Mugho Pine	Cotoneaster	Kerria	Hollyhocks	Summer Hyacinth
Dwarf Jap. Yew	Japanese Spurge	Daphne	Dielytra	Petunias
			Yucca	Sweet Alyssum

WINDBREAKS AND SCREENS

EVERGREEN TREES	DECIDUOUS TREES	SHRUBS & VINES	PERENNIALS	BULBS & ANNUALS
Canada Hemlock	Poplar, Lombardy	Privet (various)	Boltonia	Ricinus
Norway Spruce	Willow (various)	Osage Orange	Hollyhock	Sunflowers
White Spruce	Lilacs	Jap. Snowball	Delphinium	Cosmos
Douglas Fir	Gray Birch	Althea	Foxgloves	Cannas
White Pine	Honey Locust	Forsythia	Hardy Sunflowers	Dahlias
Scotch Pine	Amer. Hornbeam	Honeysuckle	Marshmallow	Japanese Hop
Amer. Arborvitæ	Carolina Buckthorn	Jap. Euonymus	Rudbeckia	Scarlet Runner
Redcedar	Box Elder			(and others)
Chinese Juniper				

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PLANT MATERIAL FOR VARIOUS PURPOSES (*continued*)

HEDGES

EVERGREEN TREES	EVERGREEN SHRUBS	SHRUBS	PERENNIALS	ANNUALS & BULBS
Canada Hemlock Parsons Arborvitæ American Arborvitæ Upright Japanese Yew English Yew Spreading English Yew	Tree Box Canada Yew Dwarf Box Firethorn, Leland Wintercreeper (var.) Honeysuckle (evergreen) Jap. Euonymus Privet (Evergreen var.)	Privet (various) Jap. Barberry Wilson Barberry (low) Hawthorn Thorn (various) Jap. Quince Rugosa Rose Spirea, Vanhouttei	Hollyhock Bocconia Delphinium Aster Chrysanthemum Yucca	Kochia Nasturtium Snapdragon Celosia Gypsophila Nicotiana Dahlia, Pompon Heliotrope

EDGING

(*In front of larger varieties*) Globe Redcedar Chinese Juniper (dwarf vars.) Creeping Juniper Waukegan Juniper Squamata Juniper Arborvitæ (dwf. vars.) Chamæcyparis (dwf.) Yews (creeping vars.)	(*In front of larger varieties*) Andromeda (var.) *Azalea amœna* Azalea, Hinodigiri Daphne Drooping Leucothoe Cotoneaster, Prostrate Firethorn (*Pyracantha*) Euonymus (var.) Japanese Spurge	Dwarf Box Box Barberry Dwarf Privet Cotoneaster (vars.) Dwarf Bush Cranberry Dwarf Mockorange Anthony Waterer Spirea Fortune Spirea	Goldentuft (Alyssum) Rockcress (Arabis) Candytuft (Iberis) Josspink (Dwf. Phlox) Dwarf Iris Primrose Sedum (various) English Daisy (*Bellis*) Pansy Viola	Alyssum Ageratum Petunias *Phlox drummondi* Portulaca Lobelia Verbenas (spreading) Oxalis

BORDERS

White Pine Colorado Spruce Balsam Fir Blue Colorado Spruce Redcedar, various Chinese Juniper, various Chamæcyparis, various Yews, various (especially pendant or "weeping" forms.)	Rhododendron (var.) Mountain Laurel Carolina Kalmia Azaleas Abelia Cotoneaster Holly (*Ilex*) (var.) Glossy Wintercreeper Nandina	Forsythia Mockorange Russian Olive Flowering Almond Spirea Deutzia Kerria Viburnum (var.) Weigela Azaleas	Anemone, Jap. Aquilegia Aster Campanula Larkspur Phlox Iris Gaillardia Coreopsis Erigeron Dianthus	Larkspur Lupine Snapdragon Cosmos Blue Laceflower (*Didiscus*) Narcissus Tulips Crocus Scilla Lycoris (Hardy Amaryllis) Tritonia (*Montbretia*)

GROUPS

Engelmann Spruce Canada Hemlock Redcedar Chinese Juniper Arborvitæ Pfitzer Juniper Koster Redcedar Juniper (in var.) Yews (in var.)	Abelia Kalmia Cotoneaster, Prostrate Euonymus (var.) Mahonia Wintergreen Barberry Warty Barberry Privet Honeysuckle (*pileata*) (last three hardy to Phila.)	Spirea, Vanhouttei Forsythia, Weeping Deutzia, Slender Barberry (various) Cotoneaster (various) Rose (species, esp. *Hugonis*) Dwarf Mockorange Dwarf Cranberrybush	Hollyhock Marshmallow Aster Astilbe Delphinium (esp. Hollyhock-flowered) Foxglove Japanese Iris Kansas Gayfeather (Liatris) Campanula Tritoma	Helianthus (Sunflower) Gypsophila Evening Primrose Celosia Statice Grasses (also those under *Border*) Gladiolus (*Primulinus var.*) Dahlias (Pompon & Single var.) Tuberose Summer Hyacinth Lilies

SPECIMEN

EVERGREEN TREES	DECIDUOUS TREES	SHRUBS	PERENNIALS	ANNUALS & BULBS
Nikko Fir Nordmann Fir Blue Colorado Spruce Koster Blue Spruce Limber Pine Carolina Hemlock Sargent Weeping Hemlock Lawson Cypress Lobb Cryptomeria Tall-growing evergreens and weeping "forms" in general	Purple Beech Weeping Beech Cutleaf Birch Weeping Mulberry Babylon Willow Dogwood (*Cornus florida*) English Hawthorn Holly (var.) Redbud	Azalea Magnolia Flowering Cherry Flowering Quince Flowering Almond Bechtel Crab Forsythia, Weeping Spirea, Vanhouttei Abelia, Glossy Tree Box	Peonies Aconitum (esp. Sparks and Wilson's) Boltonia Bocconia Anchusa (Opal) Butterflyweed Aster (*tataricus*) False Indigo (Baptisia) Yucca Mullein (See also preceding list.)	Lavatera Ricinus Schizanthus Amaranthus Coleus Mexican Poppy (*Argemone*) Abutilon Lantana Eremurus Caladium (Elephant's Ears) *Musa ensete*

ROCK GARDENS

DWARF EVERGREENS	EVERGREEN SHRUBS	PERENNIALS	ANNUALS	BULBS
Dwarf Jap. Cypress Dwarf Norway Spruce Dwarf Alberta Spruce Globe Redcedar Dwarf Mountain Pine Dwarf Swiss Stone Pine Dwarf Jap. Yew Arborvitæ (dwarf var.) Juniper (creeping var.)	Daphne Dwarf Box Creeping Mahonia *Azalea amœna* and others Cotoneaster (several var.) Box Huckleberry Heather (sev. var.) Lambkill Laurel Myrtle Rhododendron Cowberry (vaccinium)	Candytuft (Iberis) Goldentuft (Alyssum) Amer. Columbine Dwarf Alpine Rockcress Dianthus (small types) Coralbells (Heuchera) Perennial Flax (Linum) Mossphlox (Dwf. Phlox) Primula (various) Sedum (various) Viola Iris (dwarf types) Thyme (creeping)	Alyssum, dwf. Blue Woodruff Miniature Cal. Poppy Gypsophila, Wall *Lobelia gracilis* Nemophila Stonecrop, Blue (Sedum) Portulaca Viola Iceplant Sand Verbena Anagallis	Tulip, species Narcissus, species Narcissus Cervantes Narcissus W. P. Milner Crocus, species Scilla, various Grape Hyacinth Snowdrop Snowflake Pasqueflower Fritillaria, (dwf. sorts) Oxalis

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PLANT MATERIAL FOR VARIOUS PURPOSES *(continued)*

SWAMP, BOG, and WINTER GARDENS

EVERGREENS	DECIDUOUS TREES & SHRUBS	PERENNIALS	ANNUALS & BULBS	WATER PLANTS
Amer. Arborvitæ Bald Cypress Sweet Magnolia (*M. glauca*) Azalea, Swamp and others Inkberry Bog Kalmia Bog Rosemary (*Andromeda*) Leatherleaf (*Chamædaphne*)	Willow Sour Gum (Tupelo) Waterlocust (*Gleditsia*) Swamp Maple Swamp White Oak Red Birch Buttonbush Summersweet (Sweetpepper Bush) Blueberry Black Alder Winterberry (*Ilex*)	Meadowbeauty (*Rhexia*) Pitcherplant Cardinalflower Globeflower Bog Aster Eupatorium Marshmallow Myosotis Cowslip Iris (Blue Flag and Yellow Flag) Sea Lavender Meadowrue Pink Gerardia	Myosotis Lavatera Mimulus Sweet Pea Verbena *Musa ensete* Pansy Daffodils, *Poeticus* type Lily, swamp var. Caladium Callas Iris, bulbous (must be well drained soil.)	Hardy Nymphea Tender Nymphea Nelumbium (Lotus) Giant Arrowhead (*Sagittaria*) Cattail (*Typha*) Waterpoppy Water-hyacinth Pickerelweed Sweetflag (*Acorus*) Cyperus

ACCORDING TO CHARACTER

TALL

EVERGREENS	DECIDUOUS TREES	SHRUBS	PERENNIALS	ANNUALS	BULBS
Spruce Fir Douglas Fir Hemlock Pine Bald Cypress Cedar of Lebanon	Tulip Tree Elm Beech Maple Oak Ginkgo American Plane	Sweetshrub Hydrangea (tall var.) Smoketree Highbush Cranberry Whitefringe Border Forsythia Pearlbush Privet (various)	Bocconia Hollyhock Delphinium Foxglove Boltonia Valeriana Campanula	Sunflowers Cosmos Larkspur Snapdragons (Giant) Stocks Celosia Amaranthus	Eremurus Hardy Lilies Cannas Dahlias Gladiolus Tuberose Summer Hyacinth Caladium(Elephants' Ears)

MEDIUM HEIGHT

Redcedar Chinese Juniper Arborvitæ Chamæcyparis Cryptomeria Yew, upright forms Holly Rhododendron	Jap. Maple Birch Amer. Redbud Lombardy Poplar European Plane Tree Honeylocust Larch Mountain Ash Magnolia Pin Oak	Azaleas Jap. Quince Red-osier Flowering Almond Juneberry Hydrangea (low var.) Deutzia (var.) Forsythia (var.) Mockorange (var.) Spirea (var.)	Anemone, Jap. Aquilegia Campanula Chinese Larkspur Iris (various) Gypsophila Phlox Hardy Chrysanthemums	Calendula Clarkia Candytuft Balsam Larkspur Scabiosa Marigold Zinnia	Tulips Daffodils Scillas Iris, bulbous Fritillaria (*imperialis*) Ismene Begonias (Tuberous) Caladium (Fancy)

LOW-GROWING

Juniper, spreading forms Yews, spreading forms Arborvitæ Tom Thumb and other dwarf and globe varieties Chamæcyparis Mountain Laurel Drooping Leucothoe Pygmy Spruce (Also see Rock Garden list)	Flowering Dogwood Chinese Redbud Jap. Tree Lilac Flowering Fruit Trees Hawthorn Jap. Snowball (*Styrax*) Sumac (*Rhus*) Sassafras	Azalea (*mollis*) Daphne (*mezereum*) Barberry, Jap. Kerria Hypericum Rugosa Rose Weigela Thunberg Spirea Waterer Spirea *Deutzia gracilis* Dwarf Mockorange	*Campanula carpatica* Carnation, Hardy Sweet William Iris, Dwarf Poppy, Hardy *Phlox subulata* Primula Sedum	Alyssum Ageratum *Phlox drummondi* Portulaca Torenia Tagetes Lobelia Nemophila Verbena Zinnia (dwarf)	Tulip, species Hyacinth Crocus Grape Hyacinth Snowdrops Glory-of-the-Snow *Fritillaria meleagris* Zephyranthes Oxalis

FORMAL TYPE

EVERGREENS	EVERGREEN SHRUBS	TREES & SHRUBS	PERENNIALS	ANNUALS	BULBS
Column Chinese Juniper Italian Cypress Irish Yew Swedish Juniper Hill Dundee Juniper Spiny Greek Juniper Globe Arborvitæ and other dwarf horticultural forms of smaller evergreens.	Box (tree) Box (dwarf) Barberry, Julian Jap. Euonymus and others may be clipped to formal shape	Poplar, Lombardy Poplar, False Lombardy Poplar, Volga Lombardy Catalpa, Umbrella Weeping Jap. Maple Hardy Orange Azaleas Abelia and others may be clipped	Astilbe Asphodel Bishop's Weed Rose Campion *Campanula pyramidalis* Foxglove Hollyhock Compassplant (*Silphium*)	Ageratum (Blue Ball) Kochia Summer-fir (*Artemisia*) Celosia *Nicotiana sylvestris* Marigold (dwarf) Salvia (Scarlet Sage) Lavatera	Hyacinth Double Early Tulips Single Early Tulips Amaryllis Lycoris Cannas Dahlias Gladiolus (Large flowered type) Hardy Lilies (various)

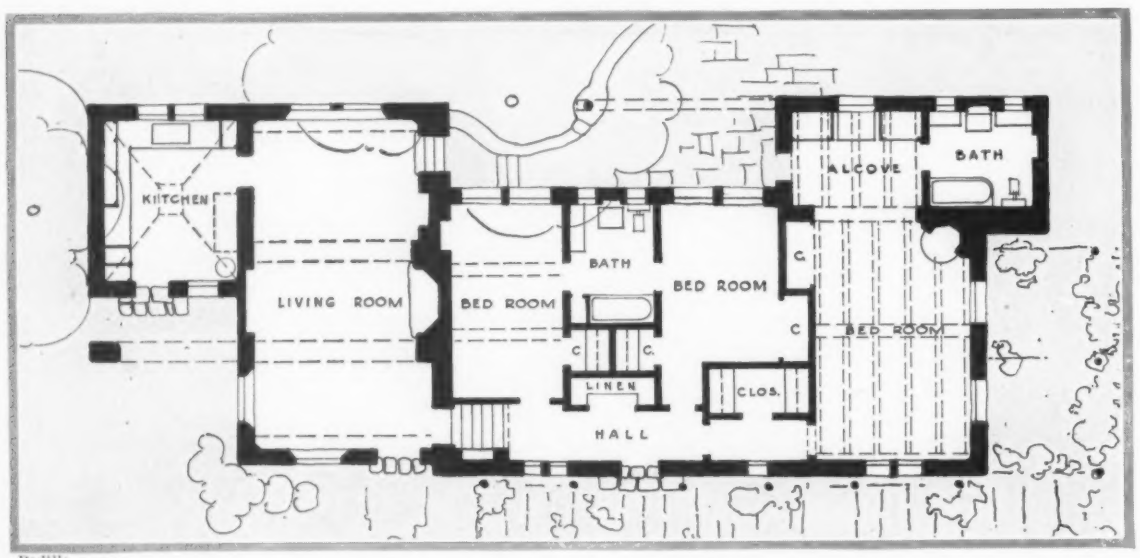
INFORMAL TYPE

Redcedar Arborvitæ Chinese Juniper Pfitzer Juniper Chamæcyparis Most of the large-growing evergreens—Firs, Spruces, Hemlocks, Pines, etc.	Box Azaleas (various) Andromeda Inkberry Drooping Leucothoe Privet, Evergreen (var.) Rhododendron } young Mountain Laurel } plants	Abelia Mockorange Azalea Deutzia Forsythia Hydrangea Most other shrubs Most of the large trees	Boltonia Coreopsis Dianthus Pyrethrum Gaillardia Scabiosa Sweet Rocket Veronica	African Daisy Asters Begonia Calliopsis Gaillardia Marigold Salpiglossis Schizanthus	Tulips Narcissus Crocus Scillas Grape Hyacinths Iris, bulbous Zephyranthes Gladioli (*Primulinus*)

PICTURESQUE TYPE

Limber Pine Umbrella Pine Scrub Pine Koster Redcedar Hick's Yew Dwarf Jap. Yew Waukegan Juniper Squamata Juniper Sargent Juniper Larch, Jap.	Holly Firethorn Cotoneaster *Daphne cneorum* Mahonia Rhododendron } old Mountain Laurel } plants	Ginkgo Hornbeam Ohio Buckeye Thorns (various) Varnish Tree Sassafras Indigobush Blueberry Winged Euonymus (*E. alatus*) Wax Myrtle	Aquilegia Artemisia Euphorbia Kniphofia (Tritoma) Sedum, various Seapink Statice Yucca	Ricinus Celosia Nigella Euphorbia Physalis Prickly Poppy (*Argemone*) Portulaca Spiderflower Iceplant	Tulip, species Narcissus, species Snowdrop Troutlily Cypripedium Ranunculus Anemone Tigridia Gladiolus, species Gladiolus, ruffled & laciniated Tritonia (Montbretia)

(*Continued on page* 170)



Padilla

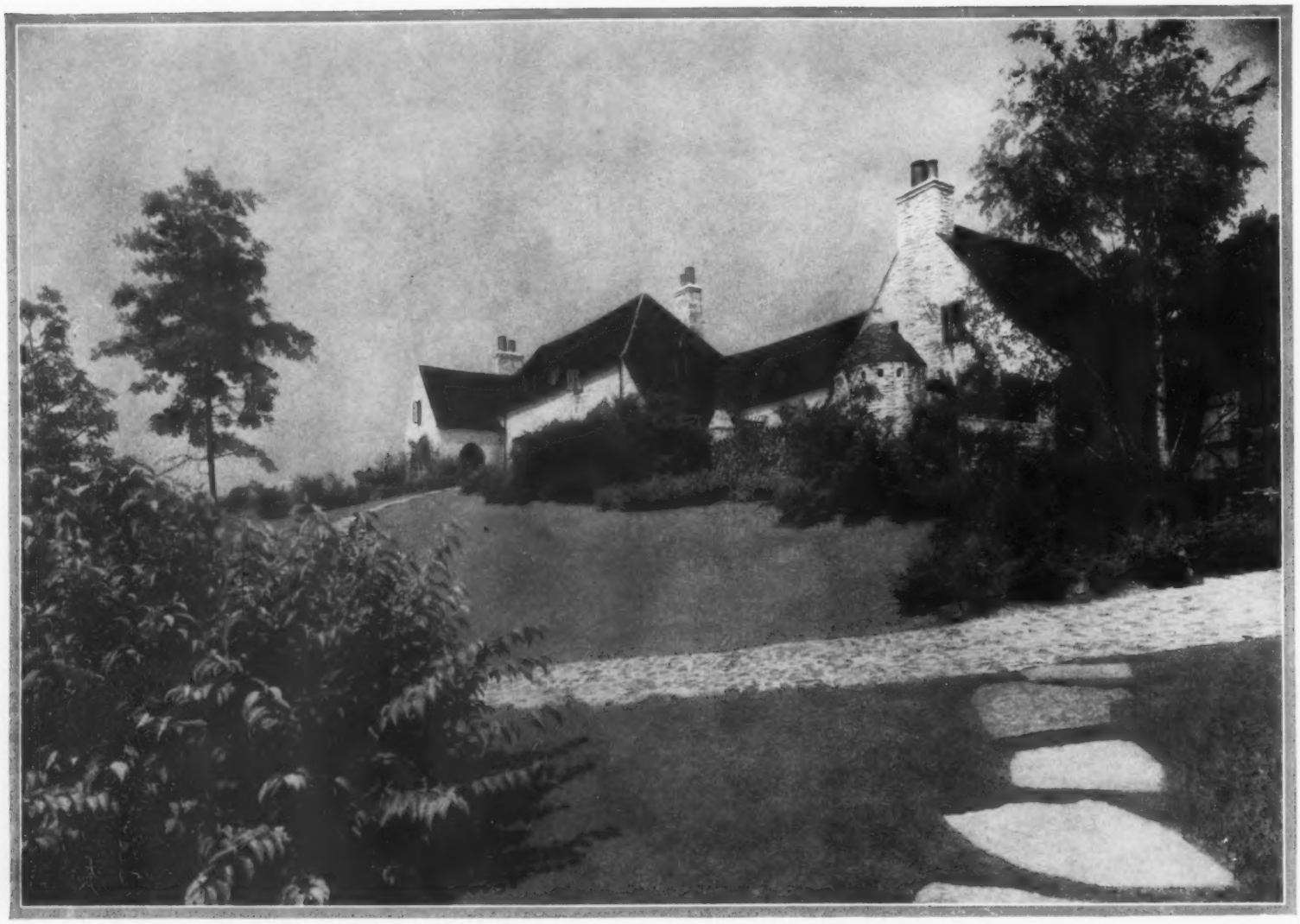
While this guest house enjoys the environment and luxuriant foliage of Southern California, it is capable of interpretation in other sections and would prove a desirable home for many a small family. The plan is almost balanced—the kitchen and living room in one side, the master's bedroom, dressing alcove and bath on the other, with two bedrooms and bath between and a narrow front hall giving access to all the rooms. Cement or stucco walls over some form of block or a hollow tile base would afford permanence. It is on the ranch of Donald Dickey at Ojai. Palmer Sabin, architect

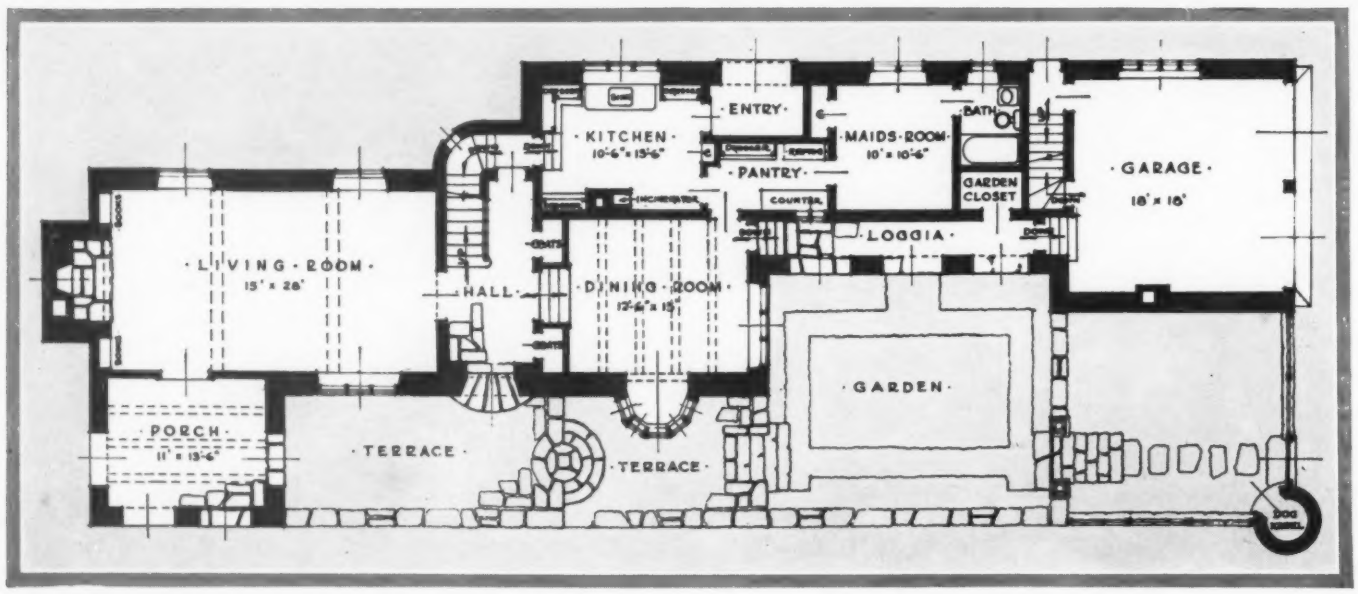
This California Guest House Has A Small Family Plan

John Wallace Gillies, Inc.

On this and the four succeeding pages are found views of the home of Albert M. Swank, at Johnstown, Pa., a successful transplantation of the Normandy farmhouse type to a rolling hillside. The flower garden lies on a terrace beside the house. Frank J. Forster was architect

Normandy Transplanted To Pennsylvania

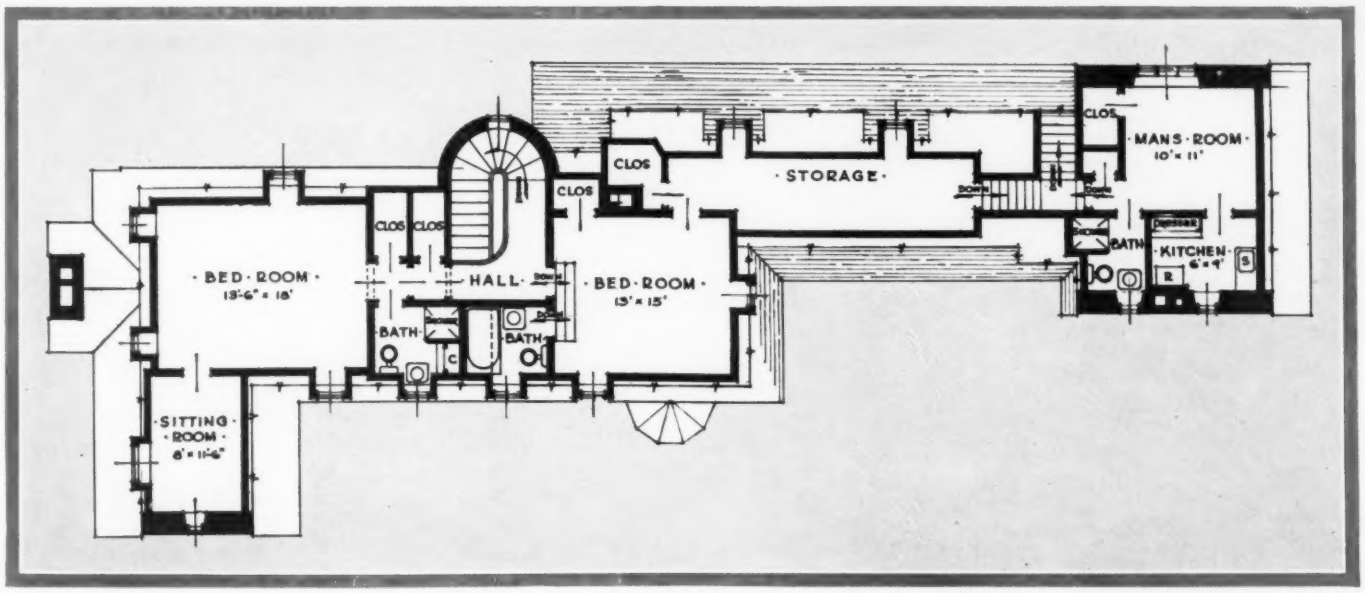




Local stone laid up with generous mortar joints and then whitewashed furnishes the walls of this house. Its quoin stones were cut from the stone railroad ties of the old Portage Railroad that ran through the Alleghanies. On the roof of the main house are hand-made shingle tiles

The plans show a rangy succession of rooms. The porch and living room at one end, a house-depth hallway, then the dining room with its kitchen and pantry behind and the other service rooms. A narrow loggia runs between the dining-room and garage and opens on the garden

A Rambling House And Its Long Plan



At one end rears the massive living room chimney, and the broken, sagged roof line is further accented by two others—the kitchen's and the garage's. In the rounded tower are the stairs. The archway in the middle section is the service entrance. Beyond that lies the garage

Over the living room and porch are a bed chamber, sitting room, closets and bath, forming the master's suite. Another bedroom and bath are across the hall. Then comes a storage gallery opening on the chauffeur's quarters. Practically all windows on this floor are in dormers

Set In The Fold of A Gentle Hill

All of the exterior and interior timbering of this house, including window frames and trim, were made from old oak timber salvaged from ancient barns. For the most part a rough-cast plaster tinted varying shades of light brown was used for wall finish. This serves as a sturdy, neutral background for the furniture, which is a mixture of French provincial pieces and antiques of the locality. In the living and dining rooms the wide window sills have been tiled and hold potted plants. Casement windows add picturesque atmosphere. Planting on the property and the various decorative garden accessories complement the rural French architectural treatment and lend a desirable semblance of age and romance

The Picturesque Quality Of Norman Architecture

John Wallace Gillies, Inc.

The pronounced feature of this house is the succession of terraces following the slope of the land and ranging down one entire side. First comes the level of the porch and its open platform, then by semi-circular steps to a grassy level, thence down another short flight to the garden where flowers are massed in colorful disorder both against the retaining wall and the house. For background this garden has the narrow cloister shown on page 77. The little oriel window lights the stairs hall. From this garden one passes between the stone pillars and down another flight to the cobbled dog yard on page 109, so called because the little tower building in the corner is the dog kennel and also a dove-cote

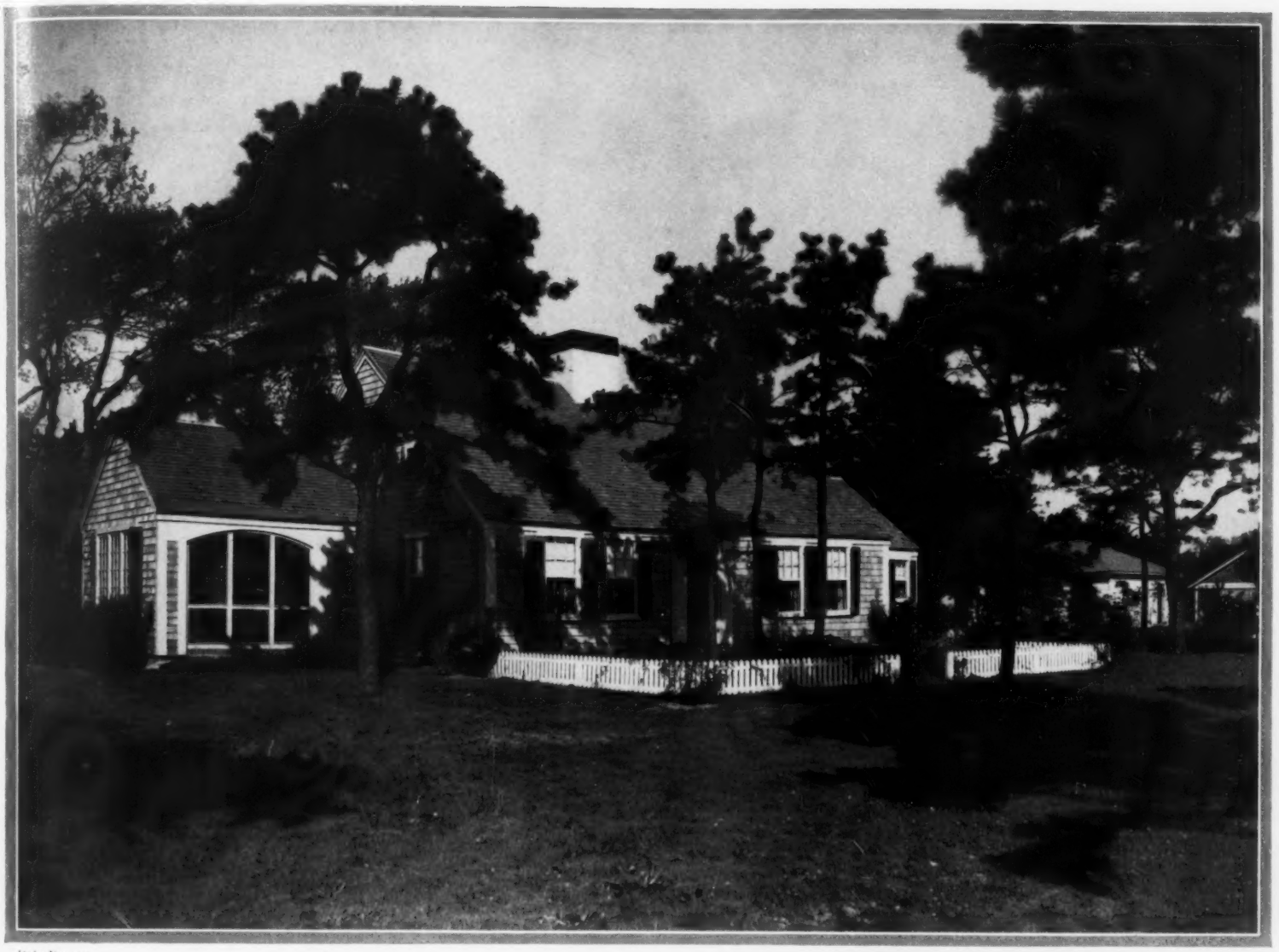
Paved Terraces Create A Garden With Many Levels

(Above) Light colors and many potted plants add to the cheerful effect of this breakfast room. The walls are cream yellow, curtains are lemon yellow with red bindings and the floor is made up of green-blue tiles. Powers & Hoyle were the decorators

(Left) Because this room opens into a colorful French provincial dining room with scenic walls, the simple background was painted white for contrast. Furniture pieces are Early American and French provincial. Diane Tate & Marian Hall were the decorators

To give an effect of outdoors, the walls of a breakfast room in a country house were painted in landscape scenes above a painted balustrade—a treatment that brings color and makes the room appear much larger. Hanley Henoch, artist; Thedlow, decorators

Places Where You Can Breakfast In The Sun



Drix Duryea

This typical Cape Cod cottage of silver gray shingles with white trim is over two hundred years old and originally consisted of three rooms. It was taken apart, moved eighteen miles and set up in its present location at Bass River, Cape Cod, Mass. Three wings have been added, the bedroom wing at the right, the porch at the left and the kitchen wing at the rear. The home of Miss Florence Hardee; Charles Baker, architect. The interiors appear on the next two pages

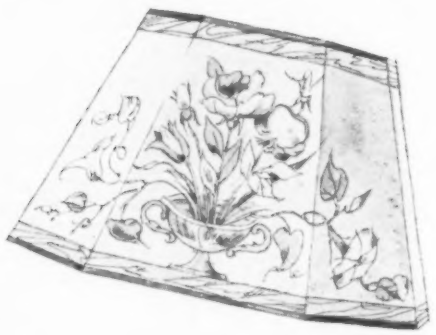
An 18th Century Cape Cod Cottage Remodeled For Comfort

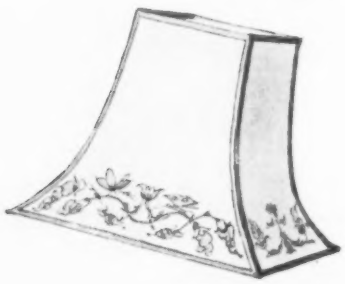
The interiors of the Cape Cod cottage shown on the previous page combine Early American charm with modern comfort. (Above, left) A dressing table built into a closet to save space. (Above) The master's bedroom with red and cream wall paper, antique maple furniture, hooked rugs and a green floor spattered in red, black and light green. (Left) The hall, with original paneling and door to enclosed stairs. (Below) A modern dressing table in glazed chintz. Helen Irwin, decorator

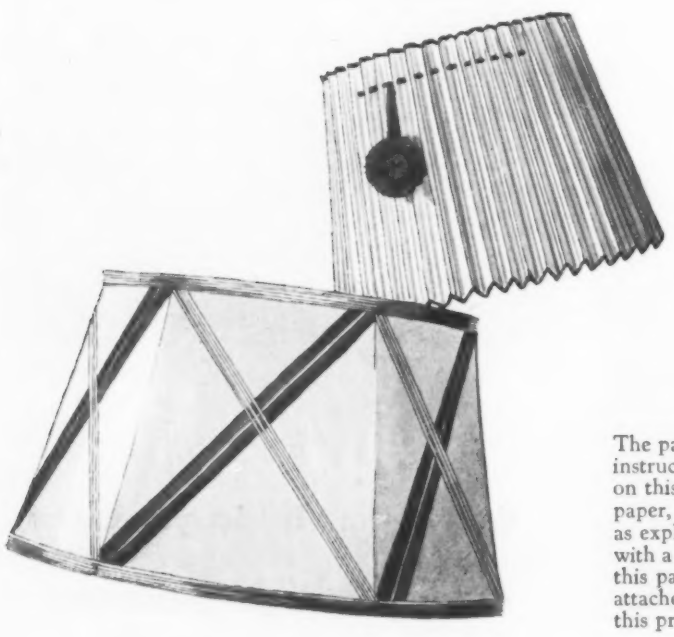
Interiors Decorated In The Colonial Style

Above and below are views of a sitting room with the original dado and paneling. This is painted ivory and combined with a reproduction of an old wall paper in greens and salmon; the floor is bottle green spattered with green, yellow and ivory. (Right) A combination living and dining room has the original paneling and hand-hewn beams. Wall paper is gray with green, blue, and orange motifs and the floor is tan spattered in green, blue, orange and black. Helen Irwin, decorator

Gay Furnishings After The Cottage Manner







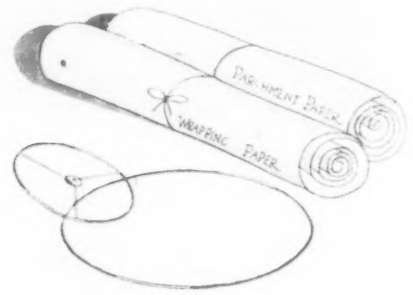
How To Make Shades

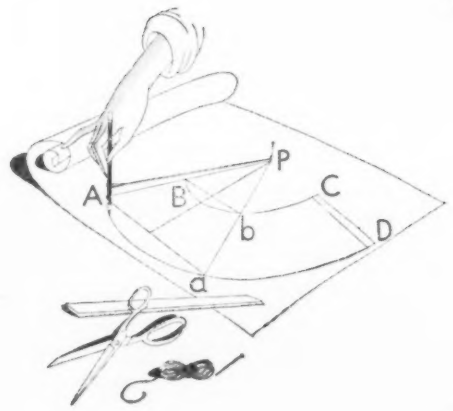
Directions For Parchment

Silk And Pleated Types

LAMP shades are not so difficult to make as is often supposed, although the process does require great patience, extreme care and strict conformity with instructions. Few materials other than ordinary domestic articles are needed to make shades of parchmentized paper—that is, paper that has been treated to resemble parchment. With a little searching, most housewives can produce wrapping paper, a yard stick or ruler, pencil, scissors, a nail, string, needle and thread, a small bowl, sponge, glue and a piece of cheesecloth. All that one must buy are a few tubes of artist's colors, some turpentine, Japan dryer, a brush, passe-partout, parchmentized paper and, of course, the wire frame.

The following directions, if carefully followed, will produce an excellent lamp shade, of the circular variety, 9 inches in diameter at the top, 18 in diameter at the bottom, and 10 inches high. The frame for this type of shade has no side supports, but merely two





The Parchment Shade

The parchment lamp shade is the easiest type to make and can be readily accomplished if the instructions contained in the accompanying article are accurately followed. Practical sketches on this and the opposite page show the various stages. The first step is to acquire wrapping paper, parchment paper and the wire frame. Then draw the pattern on the wrapping paper as explained in the text and shown in the diagram above, using a nail and a piece of string with a pencil attached as an improvised compass. Next, carefully cut the parchment shade from this paper pattern and sew it lightly to the frame as shown above. The shade is then firmly attached with passe-partout paper, softly tinted inside, using a piece of cheesecloth for this process, and finally shellacked outside as illustrated in the drawings on the opposite page

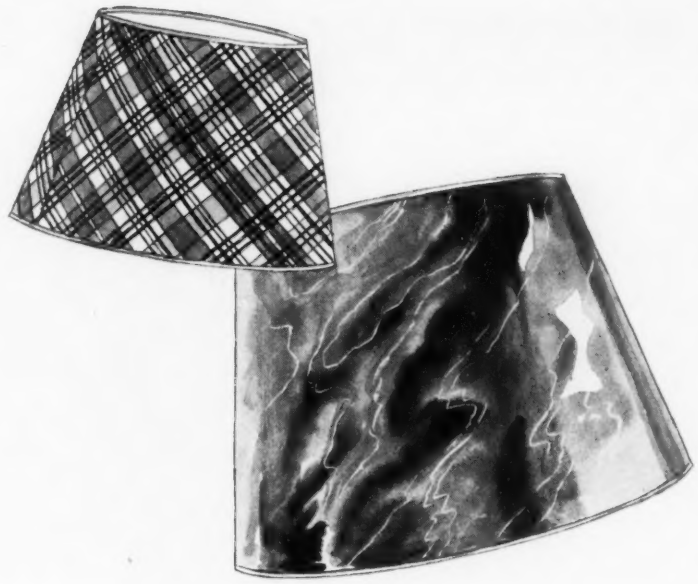
metal hoops, in the center of the smaller of which is fastened a washer, a bulb clamp, or a threaded band for the purpose of attaching the shade to the lamp.

Before purchasing the parchment paper, a pattern should be made, as follows: On a large sheet of wrapping paper draw a straight horizontal line 9 inches long. Through the exact center of this draw a perpendicular line extending some little distance above, and to a point 10 inches below the 9-inch line. Through the lower end of this perpendicular—that is, 10 inches below the 9-inch line—draw a line parallel to the 9-inch line and extending 9 inches on both sides of the perpendicular. We now have two lines parallel and 10 inches apart, one of them 9 inches long and the other 18 inches long; and a third line perpendicular to the other two at their center.

Let us call the ends of the 18-inch line *A* and *a*, and the ends of the 9-inch line *B* and *b*. If we draw a straight line through *A* and *B* and another straight line through *a* and *b*, and extend these two lines above the 9-inch line, they will intersect each other and the perpendicular in a single point, which we will call *P*.

Through this point *P* stick a small nail to which is tied one end of a piece of string, in the other end of which is looped a pencil. Adjust the length of the string so that the point of the pencil just touches the point *A*. With the crude compass thus formed, about *P* as a center, draw a long curved line beginning at *A*, passing through *a*, and extending beyond *a* for some distance. Then shorten

(*Continued on page* 124)

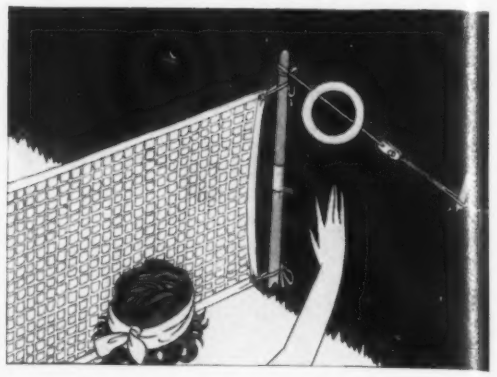


Some New Lamp Shades

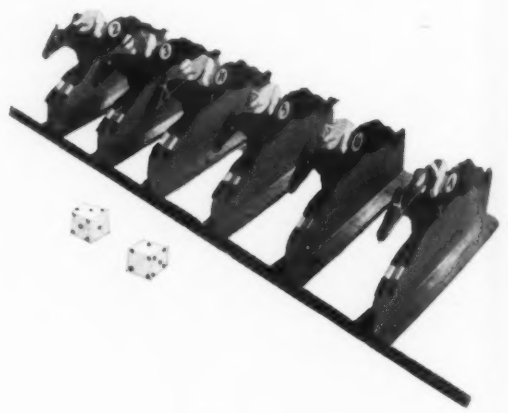
Opposite page, reading down. Parchment shade, rich browns and greens, with landscape print. Stretched silk, peach with gold bands. Both de Sherbinin shades from Stern's. Neutral toned parchment with painted flowers. Small shade, painted border. Both from Darnley. Pleated red and white striped cotton bound in blue. Rose Cumming. Gold taffeta, shaded green ribbon forming lattice. Gotham & MacLaughlin. (This page, reading down) Plaid paper, dark blue ground. Marbleized paper, brown and cream. Jones & Erwin. Kanné & Bessant shade, yellow parchment, gold stars and old print. Three New Yorkers. Gay parchment shade, red, white and blue. Chintz Shop. Formal shade of peach chiffon, trimmed with shaded taffeta bands. Dressing table shade, cream lace over shell pink chiffon. Pillow Shop

Above is an old game in a new setting. The quoit table has ten pegs numbered 5 to 100. The long peg nets you 300 if you ring it. All games on this page are shown by courtesy of Abercrombie & Fitch

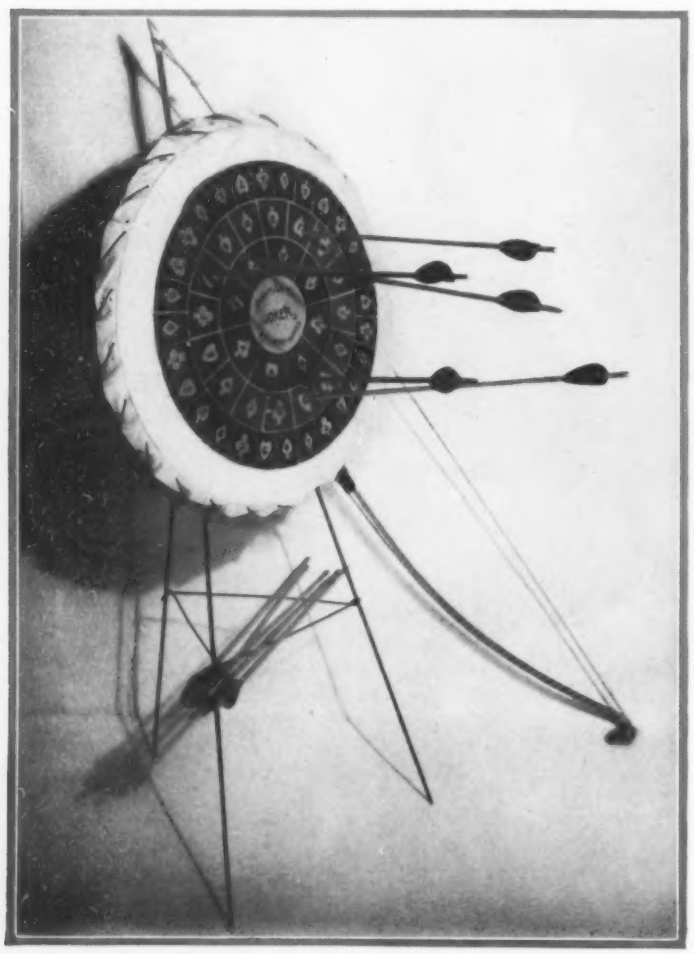
(Above) "African Skittles"—a new ten-pin game consisting of eight skittles, eight dice and two balls. The balls are rolled, as in ten-pins. As the dice are dislodged they are counted for the bowler, the highest number winning

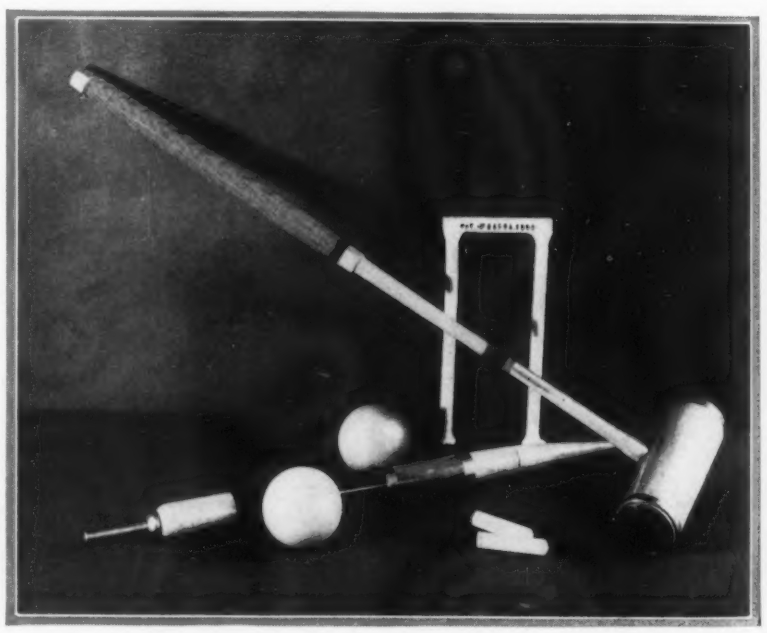


Deck or ring tennis, the somewhat strenuous game originated at sea, is ideally suited for playing on shore, indoors or out. The rules are in the main the same as tennis but the rubber ring must be caught without first touching the ground



(Right) "Atlantic Derby"—an exciting horse race game popular on ocean liners. A track is laid out, dice are thrown, the horses with numbers corresponding to numbers on the dice moving forward until one crosses the winning line

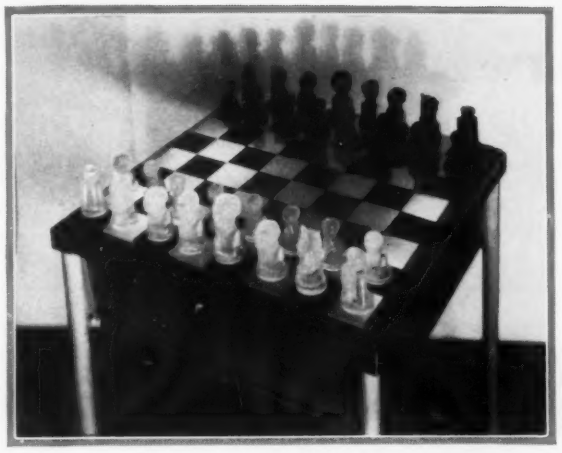




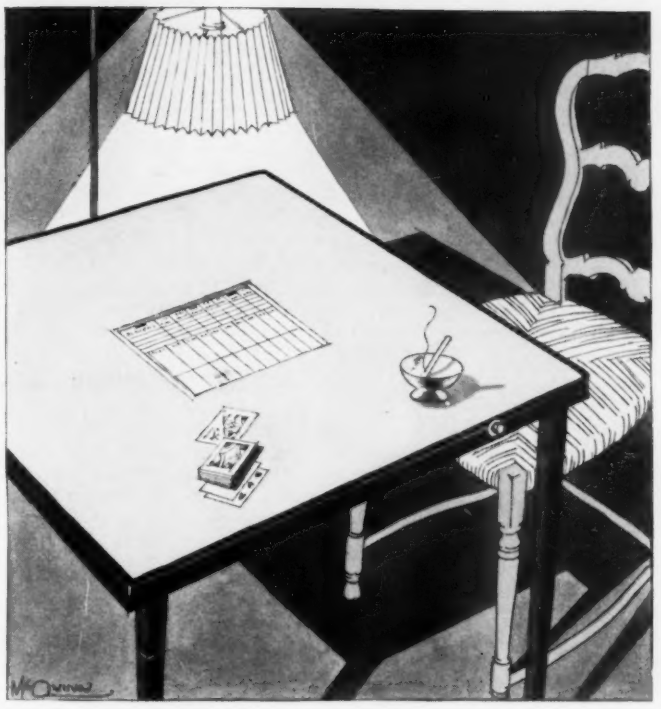
(Left) Archery poker set consisting of stand, target, bow and twelve arrows. The target is divided into fifty-two spaces, each space representing one of the cards of a poker deck. The bull's eye is the joker wild. Try shooting for a straight flush

An English croquet set for the serious player. There are six wickets in the English game but the additional three may be ordered if you prefer to play the easier American version. The four mallets have three-foot whipcord-bound octagonal handles

Games To Play In Gardens

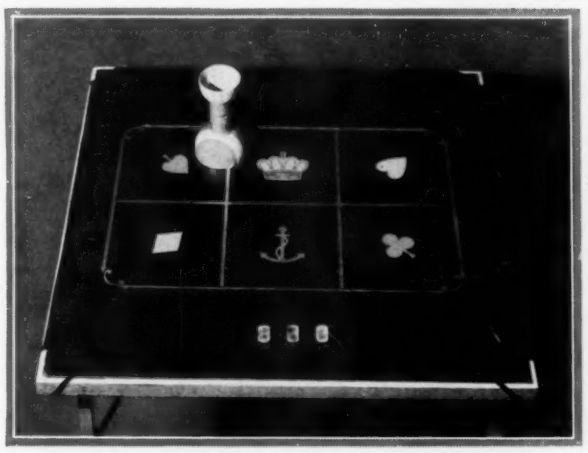


(Above) Illuminated chess table with glass top in black and white squares. By a unique lighting device, the white squares may be changed to red or green. The men are made of black glass and crystal. From Abercrombie & Fitch

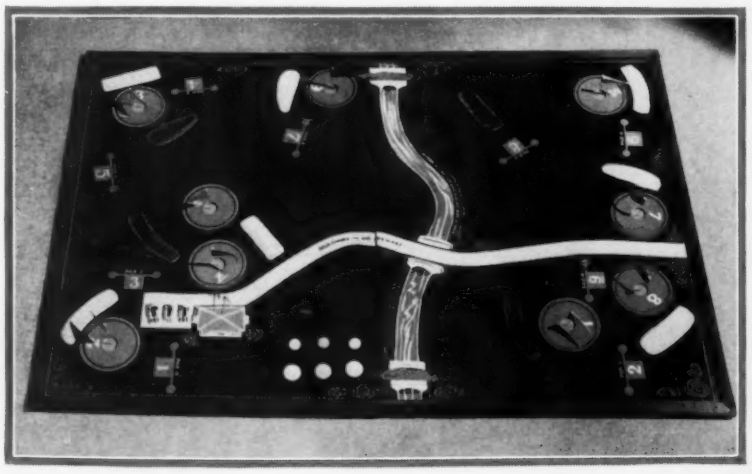


The contract score is always visible on this card table with sunken section covered by glass. A spring releases pad which slides smoothly to the edge. Black metal frame, green suède top. Arden Studios

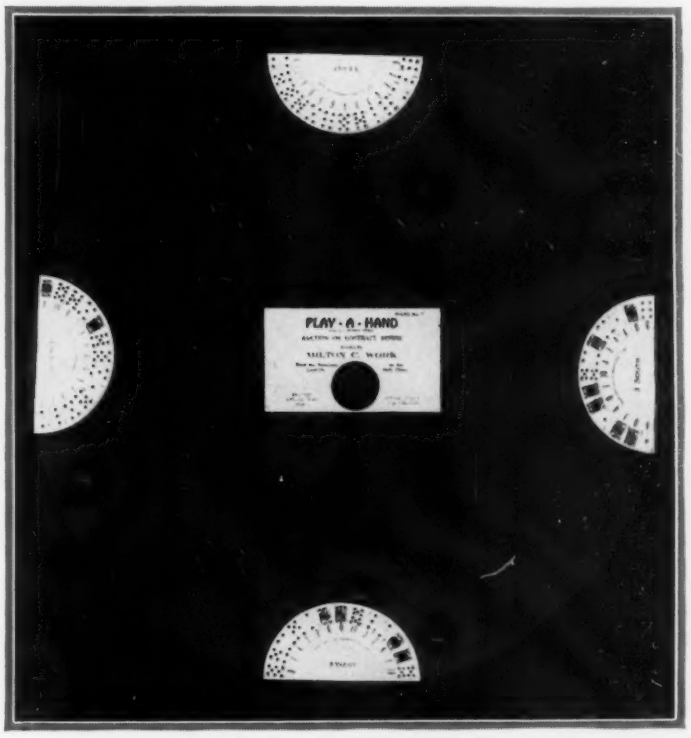
(Above) Combination golf and poker are played on this felt rug marked off to represent the fifty-two playing cards. The object is to putt the ball on the rug for a high poker hand. Abercrombie & Fitch



(Left) If you like games of chance, you will appreciate Crown and Anchor, an exciting gambling game with some elements of roulette. The diagram is on a cover which fits a standard card table. Macy's



Above is a well-planned nine-hole golf course equipped with bunkers, traps by the greens and all the usual temper-testing hazards, including the inevitable winding road. It is played on a table with tiddley winks. Courtesy of R. H. Macy & Co.



(Right) An inexpensive game that does wonders for your contract. Miniature cards printed on perforated paper are arranged in hands by Milton Work. The sealed envelope gives instructions for correct bidding and playing. R. H. Macy

Sports For Indoor Hours

The Gardener's Calendar For March

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY

The Priceless Boon of Privacy

In every garden there must be, wherever there may be, *Seclusion*, quiet retreats for rest and retirement, for contemplation made. Our garden should be our Jerusalem, "the vision and possession of Peace." I must have a place to flee unto, when I know that the great landau of the Wopperton-Wickses is on my avenue, because one of their gigantic horses, a little touched in the wind, is loudly expressing his disapproval of a sudden rise in the ground, and because I catch a glimpse through the trees of the gorgeous liveries, the cockades, and the calves, and the elaborate armorial bearings of the Woppertons and the Wickses mixed.—*Dean Hole*

1. Sun rises, 6:54. Sun sets, 5:46. If you are considering new lawns this spring, get the ground ready for seeding just as soon as it can be worked properly. Early sowings will prove to be much freer of weeds than those which are made during the summer months.

2. Quinquagesima. Chrysanthemums which are intended for flowering next fall must be propagated now. If the space is available it is good practice to put in a batch of cuttings every four weeks until June so as to insure a long period of bloom well into the autumn.

3. Rhubarb should be showing some signs of growth by this time. Barrels placed over the plants will give earlier and better stalks for they prevent chilling. Beds that were not mulched for the winter should have a liberal application of manure dug into them at about this time.

4. Shrove Tuesday. Boards, straw, burlap, cornstalks and other winter covering materials for Boxwood and such tender plants must be removed now. If possible, select dull, cloudy weather for carrying out this important operation, thus avoiding too sudden exposure to the sun.

5. Ash Wednesday. Changes of all kinds which involve the moving of plants, sod, hedges, etc. must be put into execution at once. This also applies to garden walks which, if altered in early spring, settle by summer, becoming permanent and firm to walk upon.

6. All new plantings of hardy stock must be set out. The earlier in the planting season this work is done the less losses you will have. Just as soon as the frost leaves the ground is the best time for operations of this sort. Use care in replacing the soil among the roots.

7. Morning star, Mars. If you have not already planted them, seeds of Cabbage, Cauliflower, Celery, Parsley, Lettuce, Tomatoes, Eggplant, Peppers, Leek and Onions should be sown. Put them in the hotbed or in flats in a warm, sunny window, and set out later on.

8. All the various exotic plants, such as Kentias, Dracaenas, Cocos, Arecas, etc., should be re-potted at this time. Use pots of about two inches greater diameter than those which the plants now occupy. The soil must be light, containing plenty of leafmold, and rich.

9. First Sunday in Lent. Where their condition makes it absolutely necessary, Bay trees, Hydrangeas and other ornamental plants should be re-tubbed. Others can be re-fertilized by digging out some of the old soil with a trowel and filling in the space with a rich, fresh mixture.

10. Asparagus is one vegetable that starts growth very early, so better dig under the winter mulch now, hill up the rows on the old plantings and apply salt liberally all over the bed. New plantings should be started now with new roots, you can cut from them in four years.

11. All the necessary pruning must be attended to now, at the very latest. Foliage trees and shrubs—all the flowering types that blossom on the terminals of the new growth, such as Roses and fruits of all kinds—require this timely attention before growth starts.

12. Ember Day. Make a habit of heeling in your new nursery stock just as soon at it arrives from the grower. Stock that is allowed to lie around in the sun and wind is certain to show heavy losses, because its roots will be dried out and the smaller ones will die before planting.

13. Cuttings of all the various types of bedding plants should be started in sand in the greenhouse early this month. Coleus, Geraniums, Lantana, Heliotrope, etc. are some which come under this heading. Be sure that you take them from good, strong stock plants.

14. Evening Star, Venus. Cannas, especially the newer or better types, should be divided by cutting the eyes apart with a keen knife. They can then be rooted by placing them in sharp sand, or they may be potted up at once in a very light mixture, if you prefer to follow this method.

15. Liberty Hyde Bailey born, 1858. Indoor sowing of all the more popular types of annual flowers should be attended to now. Asters, Zinnias, Calendulas, Balsams, Salvia, Marigold, Scabiosa, Pansies, Stocks, etc. are some of the many varieties that may be planted.

16. Any outdoor changes which need to be made in old plantings, or any new plants contemplated for the perennial border, had better be finished up at the earliest moment. Those things which are planted early in the season, will flower during this season.

17. St. Patrick's Day. Better make arrangements now to use your greenhouse for some practical purpose this summer. Potted fruits, Chrysanthemums, Melons, English forcing Cucumbers, etc. are some of the many possible products which will repay the efforts you put on them.

18. Have you everything in readiness for the opening of the big garden drive which next month will bring? Seeds, garden line, plant labels, measuring stick, Pea brush, Bean poles, Tomato supports, wheel-hoe, fertilizers and a real watering-can are some of the essentials.

19. This is the time to think of flowers for next winter in the greenhouse. Primula of the obconica or Chinese type, Cyclamen and Antirrhinum are three of the best sorts. They should be started from seed sown now under glass and kept carefully aired and watered.

20. The winter covering on the Strawberry bed should be removed and burned and the manure mulch dug under. In cases where for some reason no mulch was applied the bed should be well manured and dug in now. Keep it well cultivated all through the season.

21. Thomas Meehan born, 1826. Before the buds burst on the deciduous trees and shrubs, the whole growth should be gone over carefully in a search for caterpillar nests and egg clusters. If any are found you can destroy them easily at this time by burning without injury to the plants.

22. Charles Sprague Sargent died, 1927. All the various garden tools will soon be in use regularly. Are they in proper condition? Good work is impossible with poor or dull tools. Go over all the implements, removing any rust, oiling the moving parts and sharpening cutting edges.

23. John Bartram, botanist and horticulturist, born 1699. The top protection on the Rose bushes can now be removed; dig the winter mulch of manure well under. A liberal application of bone meal to the soil will produce worthwhile results during the flowering season this year.

24. Small fruits of the different types can be planted now. Grapes, Raspberries, Blackberries, etc. can be trained on wire trellises, or stakes may be used to support and direct them. The latter are neater in appearance and more economical of space, if that is an object.

25. Annunciation. Specimen trees of all types that are not growing satisfactorily can be invigorated by cutting a trench entirely around each of them about four feet from the trunk and filling it in with good rich soil well tamped down. To provide food, raw ground bone is good.

26. Most of the diseases to which Potatoes are heir are caused by dry, hot weather. Potatoes like cool, moist soil and consequently should get a good spring start. Prepare a piece of ground and plant them now, or as soon as the soil can be worked. Early beginnings spell success.

27. Mulches of all kinds applied to shrubbery borders, perennial plantings, flower beds, etc. should be dug under. In doing this, get the manure as deep as possible and see that it is thoroughly incorporated with the soil. A regular spading fork is the best tool for this work.

28. Louise Shelton, garden author, born 1867. Sweet Peas may be sown out-of-doors now. Dig trenches about two feet deep and the width of the spade. Fill them with good top soil and manure well mixed and sow the seeds about two inches below the surface. Hill up later.

29. All trees and shrubs that are subject to San José scale should be sprayed with one of the soluble oil mixtures before the buds begin to swell. At least forty-eight hours are needed to smother these insects, so try and choose clear weather for this important work.

30. Manure applied to lawns last fall must now be raked up and added to the compost heap. All lawns should be raked clean of debris and rolled or tamped down. A top dressing of wood ashes and bone meal will help to produce a good, vigorous growth of grass.

31. Sun rises, 5:43. Sun sets, 6:21. All the best varieties of Dahlia tubers had better be started into growth so that cuttings can be made of those desired. If the roots are laid upon a few inches of damp sand and watered freely they will soon sprout.

☽ First Quarter, 7th day, Evening, W.

○ Full Moon, 14th day, Evening, E.

☾ Last Quarter, 21st day, Evening, E.

● New Moon, 30th day, Morning, W.

♂ ☿ ♂ First Week: Expect bitter cold and storms

♂ ♆ ☾ Second Week: Unseasonable warmth and thunder

♂ ♀ ♅ Third Week: Cold wave and earthquakes

♂ ☿ ☾ Fourth Week: Gales, violent cloudbursts

Old Doc Lemmon Was Saying Just The Other Day—

"Wal, sir, spring's a-comin'—today I knowed it for sure, without lookin' at no calendar or even figgerin' how much earlier the sun riz than it did a month ago. I knowed it by the surest sign of all, one thet ain't failed oncet in all the seventy year I've been noticin' things here in Catawba County. For this noon-time, goin' to the barn to water the stock, I seed the old hen-hawk scalin' circles over the hill woodlot, screamin' like he was just so full o' sperit thet he'd like to bust.

"For as long as I can remember a pair o' them birds hes built a big stick nest high up in a crotch o' one o' the Oaks near the top o' the hill. Fust-off, 'round the beginnin' o' March, the he-one starts hollerin' 'bout how hjm an' his old woman are goin' to set up housekeepin' right soon; then in a week or so they begin haulin' wood for the nest an' afore the last snow's melted they're settin' on the eggs as steady as a Brahma hen in a barr'l o' hay.

"Year after year, reg'lar as taxes—why, it's got so I wouldn't hear to nobuddy botherin' them hen-hawks for anythin' in the world. Whut if they do nip a chicken on me oncet in a whiles? They've got a right to raise a fambly, too, ain't they—'specially a fambly with boys into it thet'll grow up an' l'arn to holler out the news thet spring's comin' ag'in, like their Old Man done to-day?"

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PRINTANIER
TOMATO
TOMATO-OKRA
VEGETABLE
VEGETABLE-BEEF
VERMICELLI-TOMATO

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THE ROSEVILLE POTTERY COMPANY, Zanesville, Ohio.

ROSEVILLE POTTERY

How To Make Shades

Kanné & Bessant lamp made of square tin canister painted green and gold. The parchment shade is decorated in green and gold and ornamented with prints. Three New Yorkers

(*Continued from page* 119)

the string so that the pencil point just touches the point *B*, and again about *P* as a center, draw a long curved line beginning at *B*, passing through *b* and extending beyond *b* for some little distance.

These two curved lines represent the top and bottom edges of the pattern, and the line *AB* one end of the pattern. To find the other end of the pattern we have only to measure the exact circumference of the larger hoop of the frame, mark off this distance from point *A* along the bottom edge of the pattern, and draw a line connecting the point thus located, which we shall call *D*, with the point *P*. If we call the point where this line *PD* intersects the top edge of the pattern *C*, then *CD* is the other end of the pattern formed by *ABCD*. Beyond *CD* allow a 1-inch strip for an overlap. This will be later reduced to one-quarter inch. A diagram of this process appears on page 118.

The top curve of the pattern should be about 30 inches long, the bottom curve about 60 inches. Cut out the pattern and place it on the frame to be sure it fits. Then lay it on the parchment paper, press it flat, mark and cut the parchment paper. To keep the parchment in place on the frame until bound, pierce the parchment with a needle in several places on both the top and bottom edges and tie the parchment to the frame with short lengths of thread run through these holes. These threads can be snipped and the tiny piercings hidden when the binding is applied. Passe-partout is an efficient binding and inexpensive. Gold binding will blend well with most shades, but any harmonizing color may be used. Dampen the passe-partout as it is used, and bind the parchment to the frame as smoothly as possible. Where the shade joins, the overlap should be cut down to about a quarter of an inch. Use any type of good glue, not paste, and fasten down the overlap as neatly as possible.

Tint the inside of the shade with a solution of 50% burnt umber and 50% burnt sienna, with a little turpentine and a touch of Japan dryer added to make the wash thin. Rub this on with a piece of cheesecloth, applying lightly until the desired density of color is attained. This solution gives a soft peach glow to the shade. When dry, apply one heavy coat of ordinary white shellac to the outside of the shade. By following these various processes as shown in the practical drawings on pages 118 and 119, a well made shade will result.

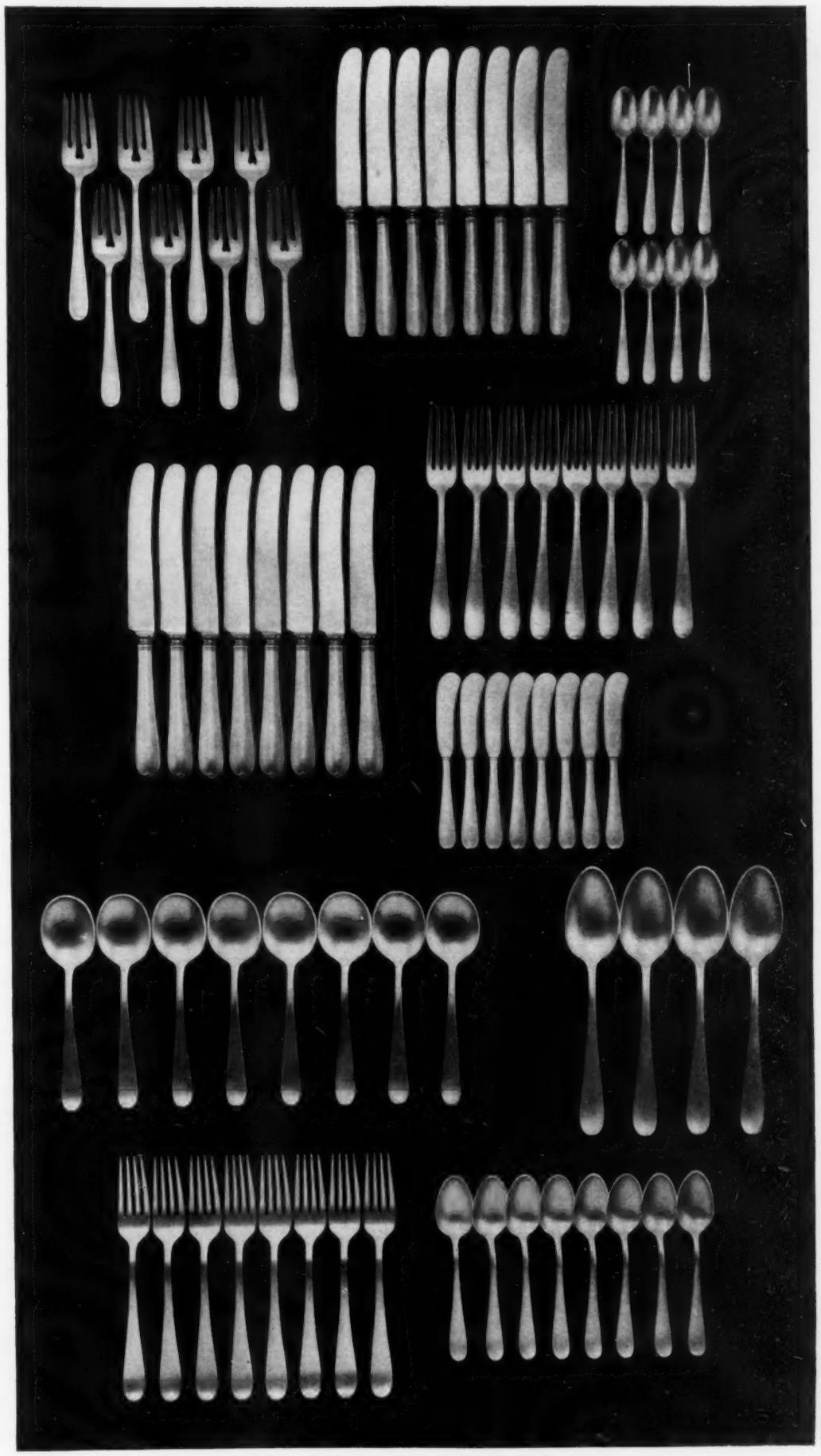
If the shade is to be decorated, the decoration should be applied before the shade is put on the frame. Painted bands of contrasting color outlined with a gold line are easy to accomplish provided the lines are drawn first very lightly with pencil so that when painted they will be straight. Stencils offer many opportunities to the amateur for effective decoration. After the decoration has been applied, the shade is then shellacked.

For silk and chiffon shades, first select your wire frame in proportion to the base of the lamp. For a shirred shade, no matter of what material, wrap the side supporting wires only. Cut the fabric, allowing double fullness in any material, except chiffons or georgettes. For these allow triple fullness. Distribute the fullness evenly, and with the top of the shade held against you, shir the material over the bottom wire, pulling up tightly and sewing fast to each supporting wire. When this is done, arrange the gathers evenly. Then turn the shade around, and pulling the fabric up tightly at the top, sew over the top wire. When using this method, do not wrap either the top or bottom wires. The lining should be cut the size of the bottom edge of the frame, sewn flat on the right side, then turned over, pulled up on the inside quite tightly, and sewn over the top wire, where the trimming will serve to cover the stitches.

(*Continued on page* 128)

This simple well-designed small lamp made by Handel has a pewter base and a shade of salmon colored parchment ornamented with a delicate painted leaf design in silver. From Wanamaker's

Gorham Sterling is not as expensive as many people imagine . .



76 pieces of Gorham—a complete service for eight . . costs only $236

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The 76 pieces—a complete service for eight—include 8 teaspoons, 8 dessert forks, 8 dinner forks, 8 soup spoons, 8 dinner knives, 8 dessert knives, 8 salad forks, 8 butter spreaders, 8 after-dinner coffee spoons and 4 tablespoons.

Some patterns vary slightly in price but a complete service for eight in any one of Gorham's seven most popular patterns costs less than $260.

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In the house of John Barber at Los Angeles, Cal. both Spanish and Colonial ideas have been successfully adapted in developing a modern and original design. Roland E. Coate was architect

Modernize Your House

(*Continued from page* 97)

your architect to design a modern house for you that will reflect Colonial inspiration. This is exactly what Julius Gregory, architect, did when he designed a house recently for Mr. and Mrs. Louis Wilputte at New Rochelle, New York.

For many years the owners of this house had been collecting antique furniture. While their interest ran particularly to the English styles of the 17th and 18th Centuries, covering the eras of the great master-craftsmen, there are numbered among their collection certain pieces which dated back only to those times when rosewood was the fashion in this country. On the whole, therefore, the collection might well be classed under the head of Colonial. Thus it was natural that Mr. and Mrs. Wilputte visualized a house of Colonial inspiration as best suited to house their furniture and to afford the proper setting for the majority of pieces.

Mr. Gregory was quick to grasp the idea. But he is not a man who practices copybook methods. In this case he took certain characteristic Colonial forms and motives as his cue and developed a design that is original, while bearing sufficient evidence of Colonial influence to satisfy his clients' desires.

The design is decidedly reminiscent of Colonial ideas but it is not a house that appears to have been built in Colonial days. In fact, certain of the details which are peculiarly Colonial in their general lines are treated in such a way that one will immediately recognize the house as a product of 20th Century architecture. The design is, in fact, a modern design because it is original. It is not what we generally consider as being in the modern style. But it is an original modern adaptation of Colonial ideas. Certain forms which we associate with the Colonial are embodied in the design, but the architect has treated them in such a different way that we are much more interested in the original details used

(*Continued on page* 128)

While certain forms which Julius Gregory has embodied in the design of the Wilputte house recall our Colonial architecture, their details are original and provide a sanely modern flavor

The Sherwood Desk, with its burled panels, rugged carving and old-time drawer pulls, is made from English pollard oak—perhaps from the same noble trees that bowed as Robin Hood and Maid Marian rode by.

Fine craftsmanship has not disappeared . . .

it still survives in this unique Connecticut colony

YOU may have thought that superb furniture craftsmanship ended with the passing of the 18th Century masters—Phyfe, Sheraton, Chippendale, Hepplewhite.

You are *nearly* right. There is, however, an outstanding exception. In the Danersk Shops in Connecticut, fine furniture is produced by a colony of Scotch and English craftsmen, trained from youth in the careful, old-time traditions of cabinetmaking and joinery.

These craftsmen work not against the hands of a time clock, but in line with the standards of the old-school masters, and with the advantage of more than a century of progress.

Eagerly sought and deservedly prized,

Danersk Furniture contributes incomparable charm and dignity to every room in the home—and to the business office of the man of affairs.

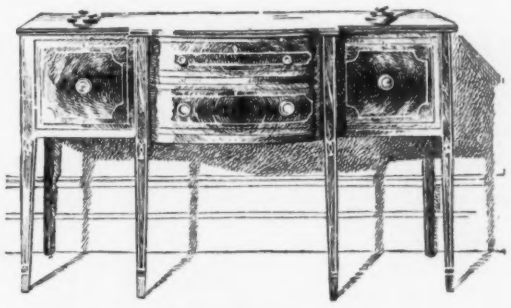
The design of the Ladder-Back Bed here pictured is based upon the old-time ladder-back chairs found in the colonial homes of the Hudson Valley. The wood is mellow maple and among the interesting features are the duck feet, mushroom turnings in the footboard and lovely urn-shaped finials.

The comfortable Danersk Chair shown above, is modeled after a rare Queen Anne piece with cabriole legs connected by stretchers. It is made with mortise and tenon construction, hand pegged joints and other interesting characteristics of fine craftsmanship. The English original was valued at $3,000. The Danersk reproduction, though it can be had covered with gros point, petit point or other pedigreed materials, is quite moderately priced.

The Cavalier spirit of Virginia of the 18th Century is echoed in this Danersk Sideboard. Like all Danersk Furniture it is hand-made. The frame is of choicest grain mahogany, enriched with crotch woods and inlays of satinwood, holly and amaranth.

Many of our patrons are enriching their homes by securing a single piece of Danersk Furniture at a time, their collections growing from year to year.

You will thoroughly enjoy a leisurely visit to our showrooms where you will find hundreds of single and related pieces, including authentic reproductions of famous creations of the past, suitable for dining room, bedroom and living room.



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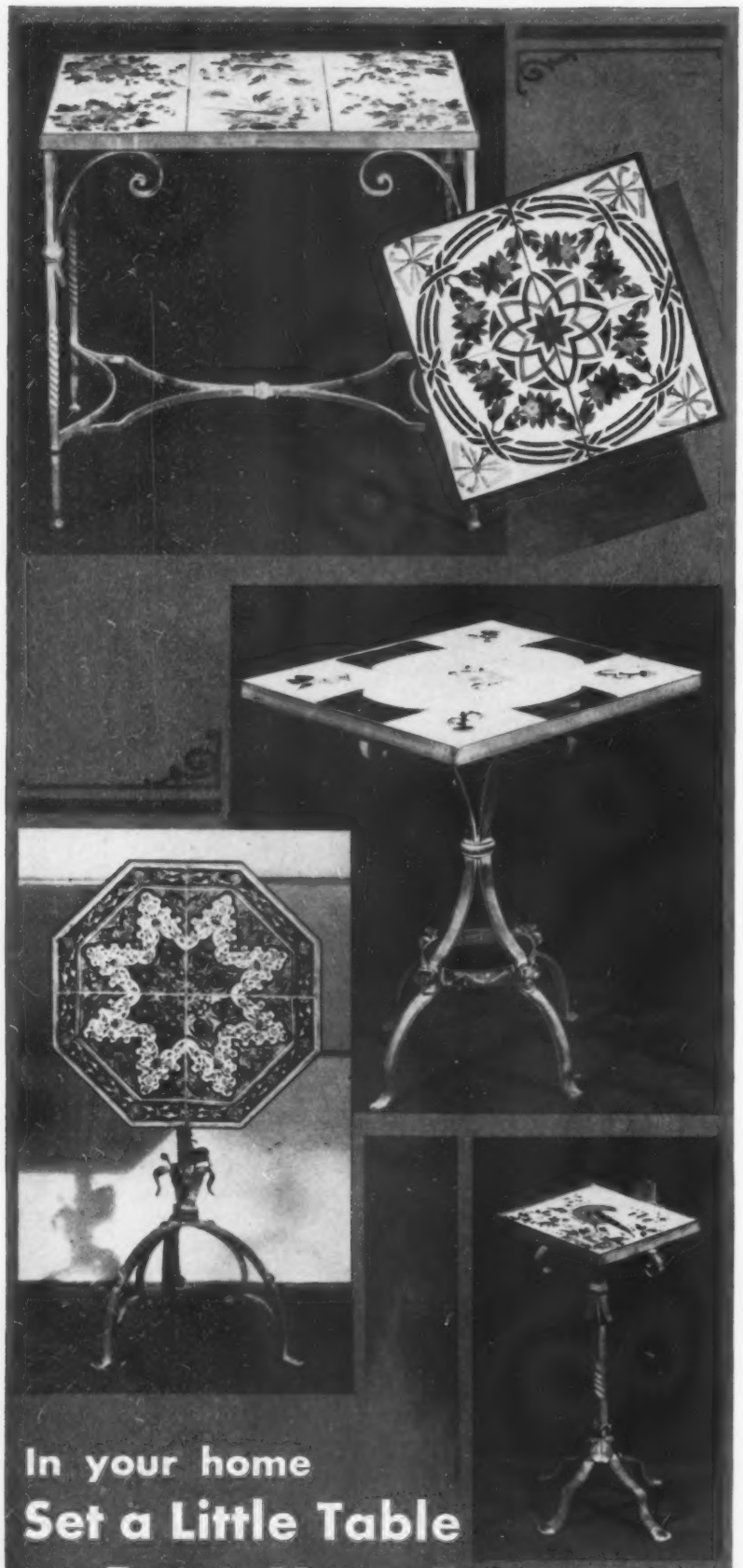

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Carbone INC
348 CONGRESS STREET, BOSTON

Modernize Your House

(*Continued from page* 126)

than in the Early American outlines.

This is particularly true of the portico facing the terrace. The pilasters and pediment are of brick, and the details of the design conform to the material in which they are given form. In Colonial times the entire motive would naturally have been carried out in wood. An interesting motive of stone and brick has been introduced at various points. It consists of a field of brick set in a reveal in a stone wall. The general lines suggest Colonial inspiration, while the ornamental details are entirely original.

We seem to have a habit of running toward extremes. On one side we find a group who insist on actually copying old styles of architecture, and opposed to them are those who would even avoid everything that bears any suggestion of the past. One group we might call fundamentalists and the other radicals. I like to put myself in a class midway between the two and call myself a progressive. For I don't believe that modern architecture will amount to anything worth while if we cannot seek our inspiration in the beauty of the past; nor can we hope to offer anything to architectural history if we do not afford our creative ability an opportunity to express itself.

There is a difference between copying a design or a style, if you will, and adapting a design originated by another. We naturally have avoided the word copy and have used in its stead the word adapt. But in the majority of cases copy was the correct word to use. Mr. Gregory has adapted certain Colonial motives. Adaptation carried with it evidence of creative ability, which is another way of suggesting originality. To me, anything that is original is modern. How can it be otherwise? For "modern" actually means "characteristic of today." Thus it is much more sane and logical to emphasize originality in a design than to attempt to avoid anything and everything that has ever been done before. We can readily trace the heredity of some of the best of the modern designs, while many of the creations which are labeled modern cannot even be seriously considered because they show no regard for the fundamental principles on which architectural and decorative design is based.

Modernizing the design of your house, then, means to introduce into the architectural treatment some evidence of originality which expresses your individuality and reflects your personality. It was not the form of the portico that gave character to Colonial designs, but the details of the various elements of the composition. In the house of Mr. Wilputte, it is the detail of the portico and other forms of Colonial inspiration that give character to the design. And on account of the original quality of these details, the house has come to bear a decidedly modern character.

How To Make Shades

(*Continued from page* 124)

If flat pleats are desired, wrap all the wires. Divide the fullness of the material evenly, and starting at the bottom, pin each pleat to the bottom wire, taking care to measure the pleats accurately. Then sew on completely. Turn and pull up each pleat and pin to the top wire before sewing. It may be thought a waste of time to pin the pleats in place, both top and bottom, before sewing, but it is really a time saver, for otherwise half the shade might be completed before it was discovered that all the pleats were on the bias. This is the most difficult kind of shade for an amateur to attempt, and looks the worst when carelessly made.

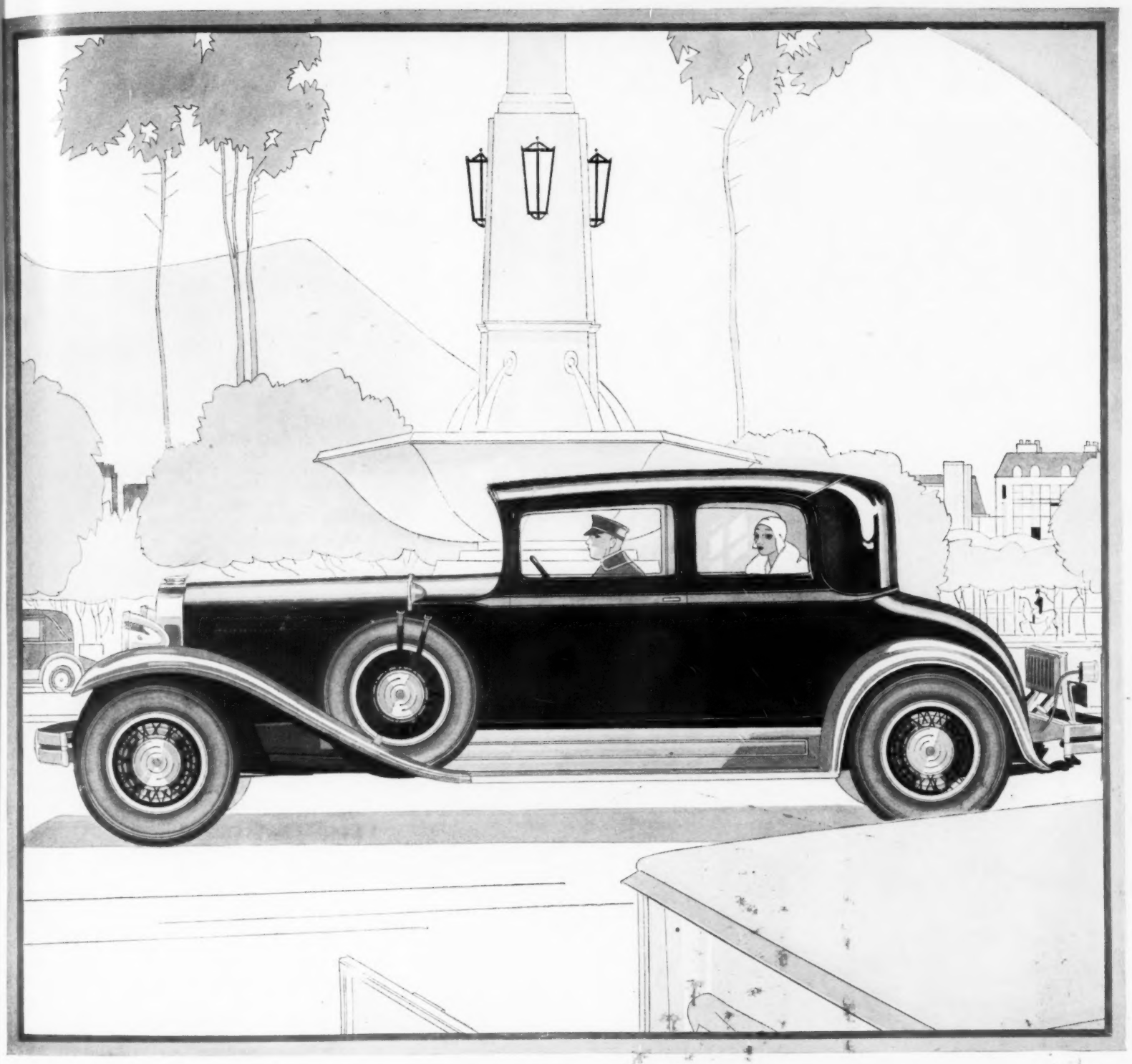
A six-sided or eight-sided shade is better when the material is stretched tight. Wrap all the wires with the fabric on the lining. Put the lining on first, sewing it tightly to the wires like a drum. Then sew the outside on the the same way. This type of shade looks better with the top covered. Sew on the top lining and the outside piece together, stretched flat. Then make a small hole for the top screw to come through and button-hole stitch it. A tiny flat ruching finishes off this point successfully.

The trimming depends upon the size and character of a shade and the type of material used. For taffeta shades, self fabric trimming is advisable. Flat folds of a contrasting color are smart, especially when piped with still another color. Make this trimming the exact size of the shade and sew together before sewing on to the shade. Ruchings of taffeta with picoted straight, pointed or scalloped edges are also attractive. The stretched silk shades should be trimmed down each wire. If you do not wish the trimming to stand out too much, make a flat fold of the same material as the shade and paste to each wire. This will hardly show, and will give a finished look

Chiffons require a soft trimming. A shirred double fold of the same material is the simplest (be sure to gather the fold twice). Chiffons are also effectively trimmed with three ruffles of silk pinked on the bottom and drawn up on a tiny cord, one ruffle overlapping the other slightly.

The first requisite for pleating is a wire frame of the same type as used for silk shades. It is not necessary to wrap the wires, but the shade will look more attractive if the top wires are painted to match the binding. Measure the circumference of the bottom of the frame for the amount of material needed, and multiply this by three to allow for pleating. Bindings should be from ⅜ to ½ inches wide. Cut the material the necessary length and the necessary width, remembering to allow at least an inch top and bottom for the depth. Sew the various strips of the length together into one long strip and bind. Ribbon is a satisfactory binding and may be stitched on the machine, but hand sewing will make a less conspicuous finish. Then take a piece of stiff cardboard, cut the depth of the shade, and ½ inch wide. With this as your guide, press the pleats in evenly, by hand, beginning at one end and working along until it is entirely pleated. Do not try to have the ma-

(*Continued on page* 166)



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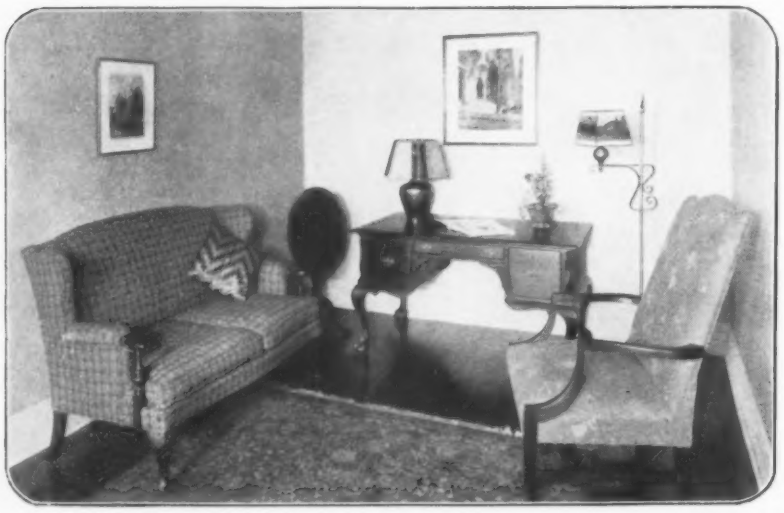

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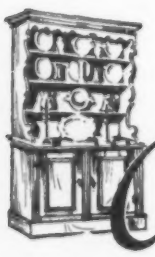
Charak Arm Chair in finely carved mahogany. Upholstery to suit requirements.



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Here is a color combination that even the smallest rock garden can afford—white Achillea alpina and dwarf blue Veronica prostrata

An Ideal Rock Garden

(*Continued from page 75*)

Snowdrops and Winter Aconites are thickly spattered in the early days of March, and where later all sorts of Trilliums unfold their mysterious three-cornered blossoms and many Lady slippers are to be found. Along this path are naturalized many rare plants brought from the Adirondacks —the lovely pink Moccasinflower, mats of Wintergreen, colonies of Pyrola, Clintonia and the Orchises, as well as fine spreads of the more usual wild flowers—Bloodroot, Hepaticas, Spring Beauties, Wild Geranium and the like lovely small fry of our eastern woods and meadows. Just beyond this section of the garden the brook makes its noisy way over its rocky bed, the boughs of Dogwood and other trees meeting above it and its banks lined with Mertensia, Daffodils, Trilliums and Violets.

Far to the right a little precipitous path leads one to a most interesting collection of Violets, all kinds, lavender, blue, white and yellow, from the little white sweet-scented *Viola blanda* to the lush Confederate Violets and the aristocratic Bird's-foot. Still another path that ascends steeply through a sort of gorge, is overhung and lined and draped with luxuriant mats of Pinks. Pinks are undoubtedly a specialty of this garden. I have seldom seen them testify so vehemently to their pleasure in their surroundings. If you follow this path in late May or June you are entranced by the masses of fringy bloom and the delicious scent that assails the nostrils. The Cheddar Pink, (*D. caesius*) the Sand Pink, (*D. arenarius*), *D. petreus*, *D. superbus* and *D. deltoides* are all luxuriant and floriferous far beyond their usual wont. And here the crotchety *Dianthus alpinus* waxes as fat and opulent as any common thing.

As we make our way upward we find bursting out of crevices in a very exuberance of health and heartiness such little choice delights as *D. avernensis*, *D. neglectus*, *D. glacialis*, *D. microlepis* and many another. *Dianthus sylvestris* is especially happily placed high on the top of a jutting crag where its explosions of rose-pink fringed blooms are sprayed against the sky. Some fine masses of the beautiful hybrid Pink, Annie Laurie, are also to be seen and many mats, shaggy and gray, of the common uncommonly sweet Grass or Scotch Pinks.

Choose still another path and you will pass by *Geum reptans* growing stout and thrifty, many kinds of Gentian, superb masses of encrusted Saxifrages, and then after passing through a little thicket of crowding Azaleas beneath which blue Harebell and golden Potentilla bloom in a gorgeous tangle, you will find yourself surveying a cunningly devised miniature golf course, the velvet turf of which is fringed by dark Yews and shadowed by great trees. At one side the natural wall of gray rock rises many feet in height and against this neutral background great bushes of *Azalea amoena* glow magnificently, far from the jealous influence of detracting hues.

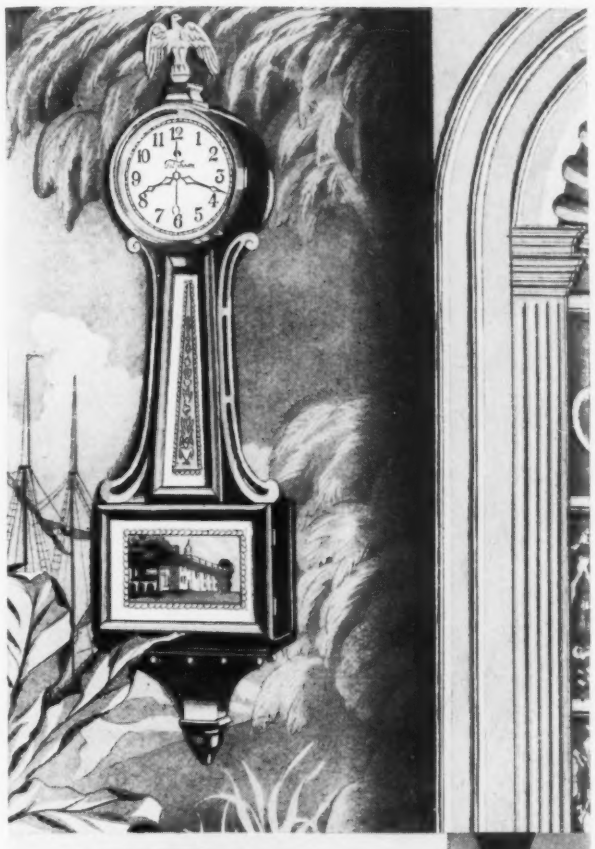
Azaleas indeed are a rather special feature of this garden. Huge old bushes that Mrs. Wurzburg sought out and selected for the sake of their irregular form, their awkward grace, so to speak, were moved in with enormous balls of earth and established along the paths or on the heights. Their crooked branches sweep down over the walls of rock with fine effect, and in their season the scented blossoms, white, saffron, pink, apricot, flame, ivory, buff, create a veritable fairyland. Many kinds of Broom, Genista and Cytisus are also here established among the boulders and display their characteristic butterfly blossom on the whip-like stems in season. No season is without its offering in this garden, from the time when the

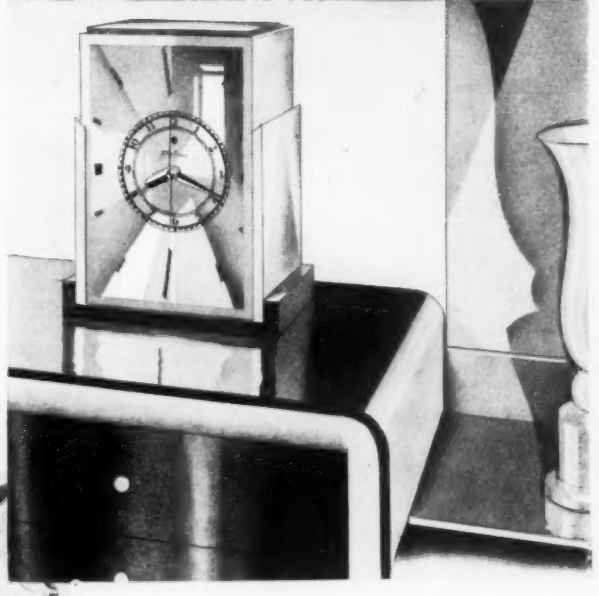
(*Continued on page 158*)

now a tiny wire tells time!

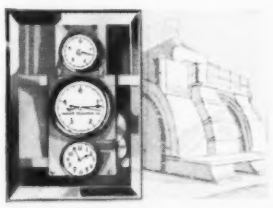
PLUG YOUR TELECHRON CLOCK INTO AN ELECTRIC OUTLET . . . ITS INFALLIBLE ACCURACY IS ASSURED BY THE TELECHRON MASTER CLOCK IN THE POWER HOUSE

ADD TO THE OTHER WONDERS of this electric age, the accuracy of electric time! Over the same slender wire that now brings light and power, time will come to you . . . silent, precise, unquestioned . . . not for one day or eight, but for months and years . . . through Telechron Electric Clocks. • You can connect any Telechron with an electric outlet, set it and forget it. Its tiny motor is driven directly by impulses of alternating current from an infallible Telechron Master Clock at the power station. It eliminates completely the bother of winding, oiling, cleaning and regulating. And because it has no temperamental springs or escapements like clocks that are merely *wound* by electricity, Telechron is immeasurably more accurate and efficient. Its word can't be questioned! • Telechron time has been made as decorative as it is dependable. And inexpensive too. There are period and modern models for every purpose. Skilfully designed, richly wrought of fine woods and metals. Clocks for mantel, desk or dressing-table. Some with chimes. Some with illuminated dials. Wall clocks, kitchen clocks, even alarm clocks. Three are pictured on this page. There are many more at your dealer's. He'll gladly display them. Prices range from $9.95 to $55.* And every model provides the same uncanny accuracy! • Warren Telechron Company, Ashland, Mass.

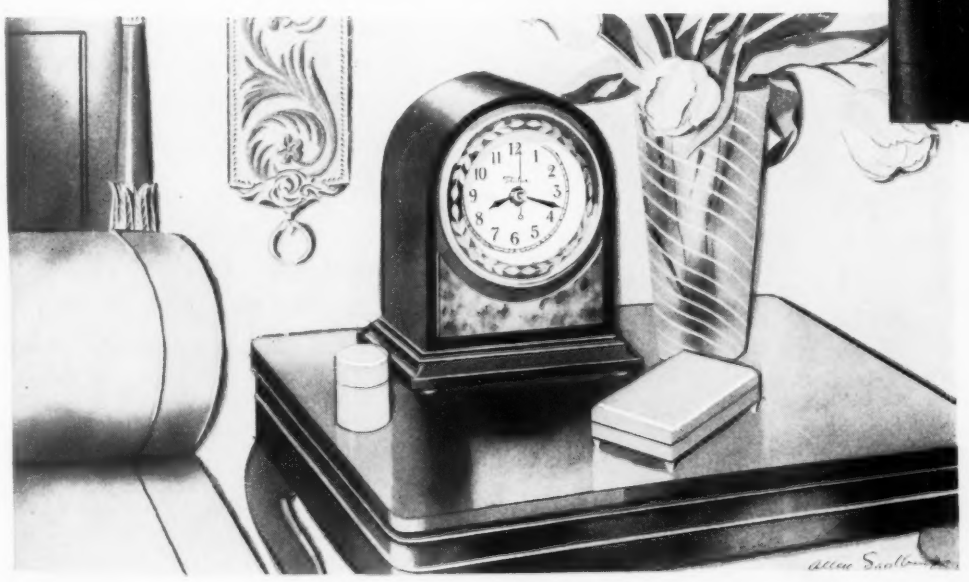




Telechron
electric time-keepers



This is the Telechron Master Clock in your power house. Checked by radio with naval observatory time, it governs the speed of the giant generators that supply impulses of alternating current to regulate the Telechron in your home. These are the only master clocks used by power companies to furnish regulated time to the public.



top, above: *Madison, an attractive banjo clock in early-American design. Mahogany case with colored glass panels. Six-inch silvered dial. Height 32½". Price $50.*

above: *Modernique, for the home of today—and tomorrow. Designed by Paul Frankl, foremost exponent of modern decorative art. Metal case with brushed silver finish. Height 7¾". Price $50.*

lower left: *Vernon, particularly popular for bedside or dressing-table. Mahogany case. Three-inch gold finish dial, illuminated by tiny mazda lamp. Height 6⅛". Price $21.*

★*The Revere Clock Company, of Cincinnati, Ohio, produces grandfather's clocks and other distinguished examples of fine cabinetwork equipped with Telechron motors. Their prices range from $40 to $1200.*

THE GRANADO

GRANADO, THE NEWEST *of the Treasure patterns, is the silver of Spanish Colonial ancestry. With its dramatic escutcheon and finely wrought ornament, it is a choice ideally suited not only to the architecture of California and Palm Beach, but also to the many delightful Spanish houses and apartments under Northern skies.*

THE WILLIAM AND MARY PATTERN *and its contemporary,* MARY II, *have the same basic lines and border. Handles in the* MARY II *design are ornamented after the manner of marquetry in furniture of the time. Both patterns are planned for the panelled walls, beamed ceilings and stately furniture of English dining rooms.*

Silver... in the Spirit of the Important Periods

MARY II · WILLIAM & MARY

To the woman with an instinct for exquisite living, sterling silver is a supremely satisfying possession. She enjoys it with eyes that understand artistry, with a touch sensitive to fine things. And she responds to the significance of solid silver as a symbol of the genuine, the lasting, the well bred.

But this modern hostess sees her silver not only as a thing of beauty in itself. She considers it as an integral part of a decorative ensemble. She chooses it as an accessory to harmonize with the architecture of her house, the style of her furniture and all the related appointments of her dining room. For her, whose taste is so discriminating, Rogers, Lunt and Bowlen have designed Treasure Solid Silver in the accepted period styles.

Early American. Spanish Colonial. Early English. Georgian. These are the most important periods in the decoration of American homes. An artistic inheritance from Colonial forebears . . . New England founders, Spanish grandees, Knickerbocker patroons and Southern cavaliers . . . these four styles have a permanent place in our culture.

Treasure patterns, inspired by these traditions, are designed for a modern age. Modified to meet twentieth century needs, they are understanding interpretations of the period spirit.

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SILVERSMITHS

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"Treasure" Solid Silver

STERLING 925/1000 FINE

for the Decorative Ensemble of Your Home.

For every occasion of entertaining, Treasure presents the appropriate silverware, from the young bride's simpler table setting to the ceremonious array of formal dinners.

All the Treasure designs illustrated on these pages may be matched in hollowware . . . tea sets and coffee sets, serving dishes and candle sticks . . . beautifully balanced shapes, subtly modeled surfaces, that proclaim an aristocratic heritage and distinguished craftsmanship.

Most jewelers are prepared to show you Treasure Solid Silver in its various styles, but should you care to have the advice of our Service Department in selecting your pattern, write us about the decorative theme of your house, and particularly of your dining room, and we will be glad to send you special information and any descriptive booklets you may desire.

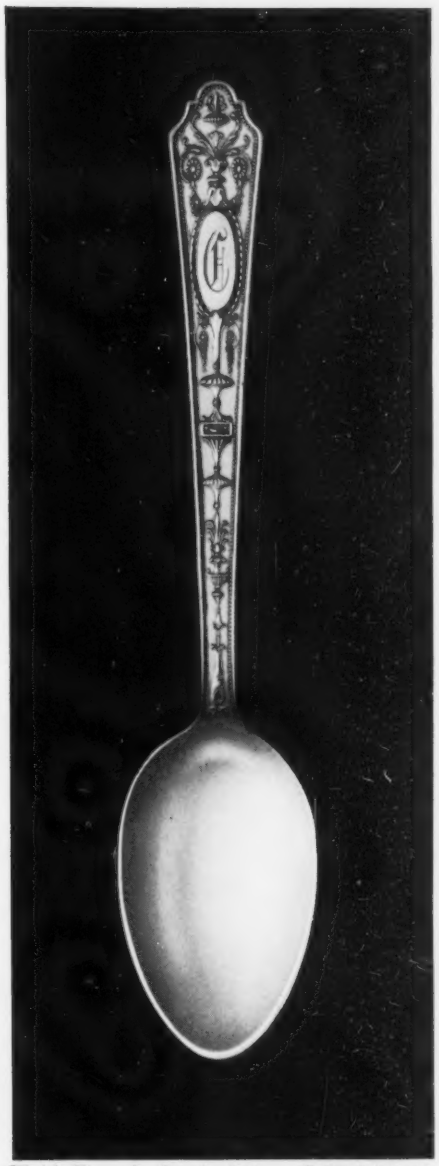
As a member of the Sterling Silversmiths Guild of America, we are also able to extend to you, through leading jewelry shops, the privilege of purchasing Treasure Solid Silver out of income. Should it happen that you are unable to arrange for this service, please write us, and we will be glad to supply you with the name of a conveniently situated jeweler who has such facilities.

& BOWLEN CO.

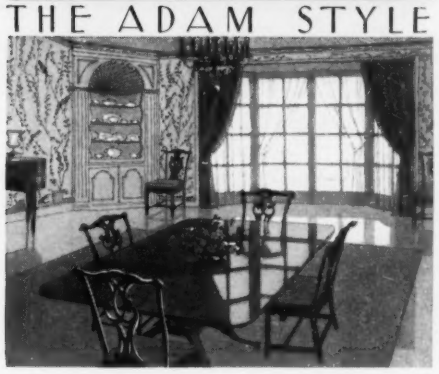
CREATORS *of* DISTINCTIVE TABLEWARE

GREENFIELD · MASS.

EARLY AMERICAN STYLE



THE ADAM STYLE



THE TREASURE ADAM PATTERN *is inspired by the technique of the Adam brothers, those renowned designers of eighteenth century dwellings and décors. This design expresses the delicacy and dignified charm of the Georgian style, a period graciously interpreted in modern dining rooms and drawing rooms.*

THE EARLY AMERICAN STYLE *is shown in two variations—altogether simple, or with the engraving equally characteristic of our ancestors' silver. This favorite pattern among recent brides may be correctly used with either the simple, New England type of maple furniture or for dining rooms in colonial mahogany.*

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BEAUTIFUL FURNISHINGS

IN FOUR COMPLETE SHOPS

We render a furnishing and decorating service designed for the most discriminating of home owners . . . . In each of our complete, up-to-date studios, we offer the services of competent decorators, supported by the facilities of our central organization in securing the most beautiful things at the world's best sources . . . . We invite you to visit and consult us.

John A. COLBY and Sons

129 North Wabash, CHICAGO
Hotel Astor, MILWAUKEE
1501 Chicago Avenue, EVANSTON
1140 Lake Street, OAK PARK

Garden Secluded in Paris

(*Continued from page* 82)

Usually the transition from city rooms to outdoor areas is via porch or special room designated as the "garden room," but in this instance the whole house is intimately connected with the garden in such a way that every room might have the above designation.

The building is one story high, smooth stucco with dull red tile roof, and all windows are doors, ground level with a low sill through which one passes directly to the garden. This is on three sides of the house, for while the ground area is comparatively small, a greater sense of space is given because of the way the building cuts into it. Thus the garden might be said to consist of three parts: the pergola and terrace immediately at the entrance, the long walk between house and boundary wall, and the sheltered terminal with its garden furniture at the other side or end, the whole covering an average oblong city lot.

THE ENTRANCE

From the street there is no hint of the beauties within; the entrance door is flush with the sidewalk, and the high wall is of the same material as the house, only the creeping Ivy which tops it, and the sight of trees give an inkling of what may be expected.

The outer door opens into a pergola entrance, arched, with the service house wall on one side and the formal garden on the other. The floor is tile, ivory and deep écru, and the same tan color is used on the stucco as a wainscoting about 18 inches high; the light sconces are of iron, forged, and on the wall a bas-relief of a dog stands guard. The whole scheme is subdued in color and arrangement as a foil to brilliancy elsewhere. The first room entered from this passage is a combination reception and dining room, although the only suggestion of the latter use is a center table, and here the floral motif is found constantly in the decoration. The color of the walls is a soft leaf green, two painted flower panels face each other, one over the fireplace, the other surmounting the console, the furniture is of a deeper green, and has bits of floral decoration. The rug might be grass sod. The adjoining bedroom is pearwood, walls paneled and furniture of the same material, in color an indescribable golden tint, reminiscent of filtered sunshine, and the only brilliant tones are given by the masses of flowers which fill the vases. This touch was an interesting contrast to the preceding room, where the only blooms were in the decorative motifs.

The largest room opened from the reception place, a studio-workshop, in corn yellow, filled with everything that spelled comfort; books, pictures, flowers, a fireplace, and huge doors that made the transition into the adjoining garden an imperceptible step. In fact I have never seen such complete blending of the in and out-of-doors. The general impression within the walls was of being in a garden, and when one stepped out, it was progressing into another room.

The planting was characteristically French, only a few varieties being used, and the main attention paid to color masses. In the area opening from the pergola, the center was grassed, surmounted by a flagstone walk of irregular sized blocks, edged by a narrow two foot border, which was the only space for flowering plants. When I first saw the garden, in February, these were filled with Pansies full of buds, even at that time, and by the end of March they were one sheet of yellow for they were all of one color. Later in June these were replaced by low Snapdragons, yellow and a luscious shade of salmon pink. You did not think of them as flowers, but strips of charming color. The pergola pillars were wound with large flowering Clematis, Honeysuckle and Roses, and the background was treated in the following manner.

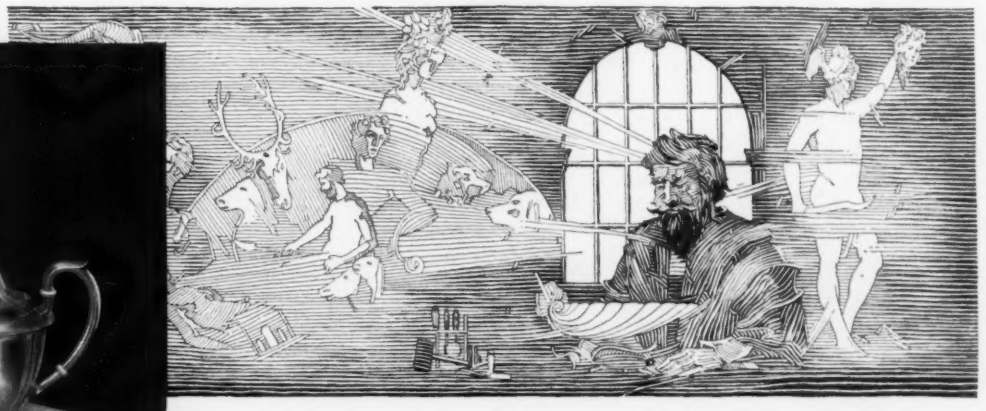
There was already a high boundary wall between the garden and the adjoining property, covered with Ivy, and in front of that was built a lower wall, leaving a space between the two which was filled with soil. In this front wall holes were left, and rock plants inserted, mostly evergreen varieties so there was always something growing even when the main covering of Climbing Roses presented only bare canes. The top of this lower wall afforded a shelf for pots of bloom, for while the major part of the planting was permanent green, much color was afforded by numberless pots set the whole length of the wall and on the pergola floor, around the flag walk, everywhere that the eye needed something gay. These pots were of uniform shape, unglazed pottery, blue or yellow with an occasional black, and were filled with Geraniums, Petunias and Marguerites.

GARDEN WALKS

The walk beside the house, which connected the two gardens, is shady most of the day, and the only plants are Iris and Funkia, with here and there a small Rhododendron and Azalea. Emerging from this narrow passage the garden proper, which faced the living room, had as its principal flower, standard Roses planted directly in the grass with only a small area of bare soil at the base of each. Rose bushes as we know them are hardly ever seen in French gardens, the standard form is the favorite, and there is no gainsaying that the effect is far more attractive: a slender woody stalk, and an umbrella of bloom. Rhododendrons and Azaleas based the house, and at either side of the door clipped pyramidal evergreens gave a formal note of welcome. The furniture was wicker in yellow.

This entire construction is worth studying for the simplicity of its treatment and the great amount of interest that has been created in a small space. A sense of vista was given by the straight unbroken walk, diversity gained by different arrangement of the two garden plots, unity of aspect in restricted space obtained by the use of only a few varieties, yet a joyous blaze of color made by the lavish use of pots of brilliant blooms. Best of all was the harmony between house and garden, the absence of division. You never went into the garden, you were there all the time.

ANNOUNCING



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TUSCANY . . a new and precious pattern in Watson Sterling. It takes its name from that famed Italian province where the first real masterpieces were wrought in gold and silver more than four hundred years ago by that greatest of all Florentine craftsmen, Benvenuto Cellini. ¶ In the fineness of its craftsmanship, in its rythmic flow of line and true proportions, Tuscany flat pieces or matched sets will bring to your table the impress of Cellini's genius. ¶ Tuscany is new, different, very heavy . . . it is thoroughly modern, smart, unaffected, harmonizing completely with any period decoration. Because of its fine individual character, its purity, its heavy weight, Tuscany will live and be treasured for generations to come. ¶ The design has not encroached too greatly upon the face of the handle where you may wish your monogram, or, perhaps, an engraving of the Cellini coat of arms. ¶ Do see Tuscany. Your favorite jeweler has it or will be glad to obtain specimen pieces for you. Meanwhile, let us send you a beautiful catalog illustrating the complete service. If you wish, you may obtain your set of Tuscany Sterling on the convenient Watson Budget Payment Plan. The Tea Service — 5 pieces is $450, 7 pieces, $1075, Tea Spoons, $23 a doz.; Ind. Salad Forks, $35 a doz. Complete Service for Six, $68.50 with case. The coupon is for your convenience.

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Tuscany

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The Watson Company, Attleboro, Mass.
Gentlemen: Please send me your illustrated catalog showing full dinner service of Tuscany table ware, matching teaware and decorative pieces. I am (not) interested in your Budget Payment Plan.
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and Gracious in Design

THIS recent modern silver of Reed & Barton is reminiscent of museum pieces of Early American and Irish design. It retains the quality of mellowness one associates with antiques. Your jeweler will gladly show you these Reed & Barton sterling candlesticks and service pieces 980, 250, and 255; knives, forks, and spoons in the French Antique pattern.

Linen, courtesy of Mosse, Inc.
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TAUNTON, MASSACHUSETTS
STERLING — ESTABLISHED OVER 100 YEARS — SILVER PLATE
TAUNTON, MASS. TRADE MARK STERLING NEW YORK, N. Y.

LUXURIOUS TRANSPORTATION

Milady of fashion, in the day of dashing Hussars and court intrigue, went her social rounds in her elaborately decorated and luxurious Sedan chair

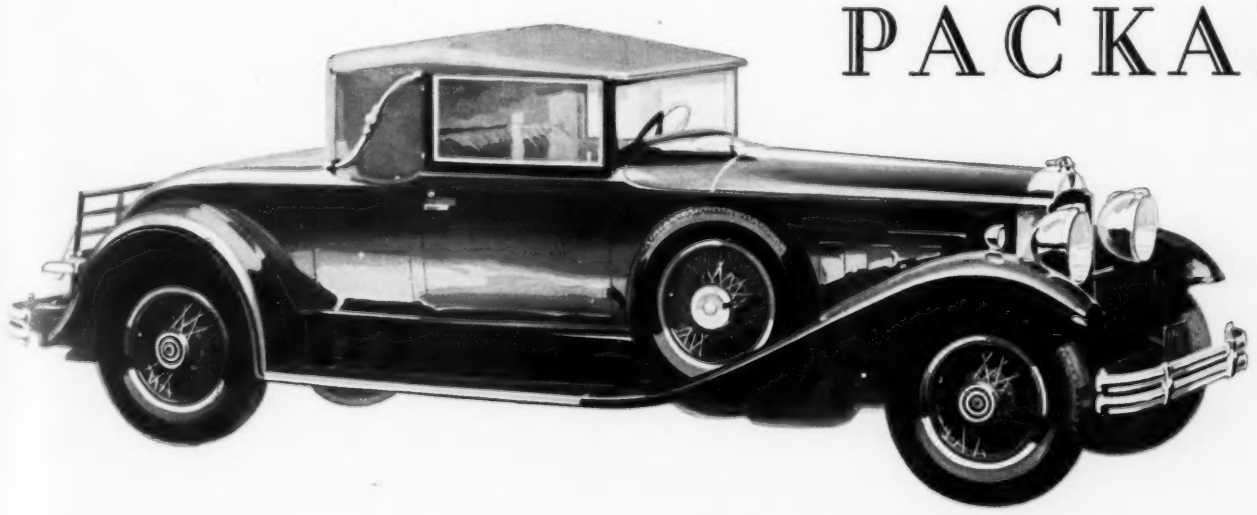
PACKARD pioneered the straight-eight motor in America—leads the world in the production of fine eight-cylinder cars—outsells all cars in the field above $2000.

It is significant, as an indication of superior motor design, that Packard's greatest period of growth followed standardization on eight-in-line cars exclusively.

Two out of three who buy Packard cars today give up other makes, while but one owner out of twenty ever gives up a Packard for *any* reason—proof that the satisfaction of Packard owners endures. Packard well may say, "now, more than ever, Ask The Man Who Owns One."

Packard Eights today are outstandingly more beautiful, more comfortable and convenient—more luxurious both in appointment and performance—than any of the famous Packards of history. Three complete lines are available. They cover the entire fine car field and dominate it!

Among the most popular of the eleven models offered in each of the three Packard lines is the practical and distinguished Convertible Coupe—pictured below on the 145½-inch DeLuxe chassis.



PACKARD

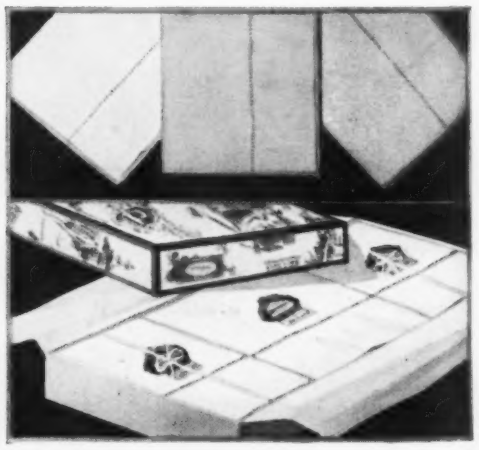
ASK THE MAN WHO OWNS ONE

LADY PEPPERELL'S brilliant *white* with fast-color hems...the keynote of a bedroom that is truly YOURS!

TO make your bedroom really personal, start with Lady Pepperell Sheets, either with colored hems, or in all-over pastels, in a color you love. If, for instance, it be green, use Lady Pepperell white-with-green-hems—as Mr. Joseph B. Platt, the notable New York designer, has pictured in this pretty, inexpensive green-and-rose-and-white bedroom.

All the things in this room are as proportionately reasonable as the Lady Pepperell Sheets. The all-color sheets come in seven soft, flattering shades (all *fast*) —bud-green, midsummer blue, shell pink, orchid, rose, maize, and a deeper green. And the brilliant white has contrasting hems in the same exquisite shades.

Remember every Lady Pepperell Sheet (of pure white, or white-with-color, or all-color) *has more than 400 extra threads woven into its light, firm texture*—400 little *extra* promises of long and lovely service .... They're so durable that they make marvelously worth-while gifts.



Lady PEPPERELL
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Tune in on Lady Pepperell's famous radio talks on bedroom decoration: National Home Hour, 10 to 10:15 A. M. Wednesdays (E. S. T.). Women's Magazine of the Air, 10:20 to 10:40 A. M. Tuesdays (Pacific Time).

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"... BUT THE CLEAR BEAUTY OF THE ENGLISH OUTSHINES THEM ALL"

"All the lovely women of the world seem to be gathered here on the Lido ... languorous, dark Castilian beauties, and Viennese, with their vivacious charm ... American women, superbly poised and sure. But I know you would agree that the clear beauty of the English outshines them all.... Complexions as fair as a May morning, as radiant as this southern sun."

—From the letters of an Englishman abroad.

This Soap, This Cream, This Powder Preserve that Radiant English Beauty

PERHAPS you have envied the clear, fresh beauty of the English woman's flawless skin. Perhaps you have wondered that she could preserve this radiance long past her early youth.

But she has no complexion secrets. She uses one soap—Yardley's English Lavender, mild and fragrant as the English morning. One cream—Yardley's English Complexion Cream, to cleanse and nourish and protect. And one powder, Yardley's again, so finely blended that it only heightens the natural glow of her coloring.

These three Yardley products make up her beauty treatment. Yardley's soap is for her bath and for the initial cleansing of her face. English Complexion Cream completes the cleansing, sinking deep into the pores to loosen every defiant particle of dust. This versatile cream is also her nourishing cream at night and her powder foundation in the morning. Most remarkable of all, it can be washed away in clear, cold water! The slight invisible film it leaves becomes the perfect base for Yardley's English Lavender Powder, a lovely, caressing powder, made in four subtle tints, to blend with every skin.

Since 1770, Yardley toiletries have contributed to the loveliness of English gentlewomen. And today they are waiting *for you* in your own closest store. Yardley & Co., Ltd., 8 New Bond Street, London; 452 Fifth Avenue at Fortieth Street, New York City. Also Toronto and Paris.

BY APPOINTMENT TO H. R. H. THE PRINCE OF WALES

Yardley's English Complexion Cream, to cleanse, nourish and protect your skin. It is also used as a powder foundation, and can be washed away with water. In an exquisitely designed jar, $1.50.

Yardley's English Lavender Face Powder in four skilfully blended shades to accentuate the charm of your own coloring. The price is $1.

Yardley's English Lavender Soap for bath and complexion. Bland, cooling, cleansing, refreshing. Box of 3 cakes, $1, *or 35c a cake. Guest size, 20c a cake. Bath size, 50c a cake.*

Yardley's English Lavender

"The Lovable Fragrance"

How Robras 20-20 were installed in a residence in Montclair, N. J.

Where the radiators went

In the walls, out of sight and out of the way, that's where radiators belong. No one with any decorative sense will tolerate old fashioned radiators enclosed or unenclosed. ROBRAS 20-20 radiators permit you to use the best space in the room.

These radiators are designed to be concealed. They give you the greatest possible heating surface in the smallest space.

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Send me information on Robras Radiators. HG 330

Name----------

Address----------

In the land of its origin, Japan, the Camellia attains true tree form. This specimen of C. japonica is 35 feet high and at its base has a trunk girth of 3 feet

The Camellia—Rose of Japan

(*Continued from page* 81)

of many a fine old southern garden; indeed, the Camellia can be cultivated either under glass or out-of-doors in virtually every State of the Union and is well worth this distinction. In the colder States it can be grown in pots or planted out in greenhouses where the temperature in winter does not fall below the freezing point, though it is better kept about +0° F. On Long Island experiments have shown that in mild winters at least the Camellia will live through in sheltered places; however, it is not safe to regard it as a hardy plant north of Norfolk, Va. Its cultural requirements are so simple that there is no reason why anyone shouldn't enjoy a Camellia bush even as a house plant if so desired.

Virtually all the plants called Camellias in garden parlance are forms of *C. japonica*, a large bush or evergreen tree common in rich woods from the latitude of Tokio southward throughout Japan, occurring also on the southern tip of Korea, on the Liukiu Islands and on the coast provinces of China south of Shanghai. In Japan the Camellia is often a broad bushy tree from thirty-five to forty feet tall and as much through the crown, with a trunk three feet in girth clothed with perfectly smooth, thin gray bark. The leaves are lustrous dark green and the young foliage, especially, glistens in the sun.

The flowers, single or double and of various colors according to variety, are sessile and are borne one or several together in the axils of the upper leaves. So freely are the flower buds produced that it is a good plan to thin them out. The flower is inclined to fall complete and so may be collected and floated in bowls of water, which, by the way, is the best way of using Camellia flowers. The petals are fleshy and easily bruised, so care must be taken in gathering the blossoms. Being woodland plants, Camellias prefer a warm, open, loamy soil with leafmold and peat liberally admixed but the one essential is good drainage. Usually they grow on sloping banks and rocky places where perfect drainage is assured, a point to be borne in mind by those who live in climates where they can be grown out-of-doors.

Few exotic flowering shrubs have in the past found a more important place in our greenhouses than the Camellia but its merits as a hardy plant have yet to be fully appreciated. It is not adapted for windy situations but for sheltered regions and is happy when associated with Oaks and other such trees. In the open the plant flowers from late March into June and the best forms for outdoor planting are undoubtedly the single and semi-double varieties.

For indoor culture the soil best adapted for Camellias is a mixture of about equal parts good turfy loam and peat, with a liberal addition of sharp sand. The proper time for repotting is just when the young growths begin to start; some growers object to this operation being performed until the blooms are all past, but it seems most natural to give fresh nourishment to the young growth even though it be at the sacrifice of a few flowers. After potting, a little artificial heat should be given, and the plants must be liberally supplied with water, both to the roots and foliage. The growth being complete, heat must be discontinued and water given more sparingly, while more air is permitted in order that the plants may be hardened off, preparatory to being stood in the

(*Continued on page* 140)

Tapestry · rich in color · mellow in texture · lends an old world splendor to furniture of today

TAPESTRIES for furniture coverings offer a rarely stimulating source of decoration! No other fabric brings to the modern ensemble such depth and play of color, such richness of texture and design.

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The lovely chair tapestry shown here well illustrates the distinction which marks each piece included in the Schumacher collection. It is a charming floral pattern, woven in softly variegated shades of beige, rust, green and brown on a background of mellow rose!

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"OLD BLEACH" LINEN

Camellias as they were a hundred years ago—a reproduction of one of the illustrations in Samuel Curtis' monograph, published in 1819

The Camellia—Rose of Japan

(*Continued from page* 138)

open air to ripen their wood thoroughly and swell up the flower buds.

In the autumn the plants must be removed indoors again and care taken that the watering is carefully done, for the giving of either too little or too much will cause the buds to fall off and the whole season's labor to be lost. If very large flowers are required, each shoot should be allowed to carry but one bud, though in other cases two or more buds may be left, according to fancy. Camellias are not forced into bloom very successfully in the ordinary way. Those intended for the first blooming should be potted and grown on before the others, and should be placed in the open air earlier and returned sooner to the greenhouse, than those required to flower later.

In gardens of large extent, a greenhouse may well be devoted entirely to the Camellia. A more glorious sight can scarcely be conceived than that presented by the hundreds of flowers this superb plant produces. In such a house they are best planted out in the borders, using compost similar to that recommended for pot culture, or if any difference be made, a little more loam may be added; but here the drainage must first be put in to the depth of twelve or fifteen inches, and this must be covered with turf to prevent the soil from mixing with it and thus destroying the object for which it was put in. Thus planted it

(*Continued on page* 142)

Mrs. F. Sander is one of the choice single white varieties of the present day. In size, form and texture its blossoms are of high quality

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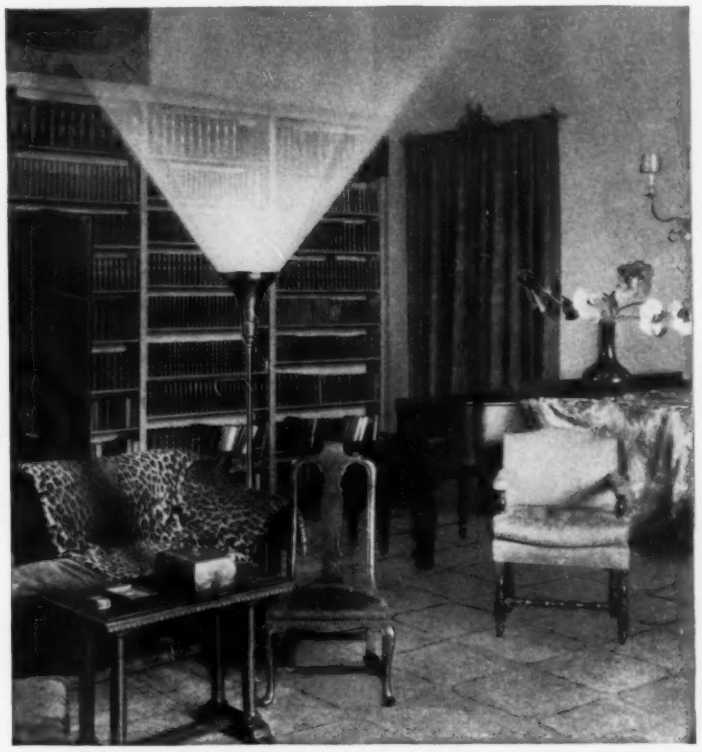

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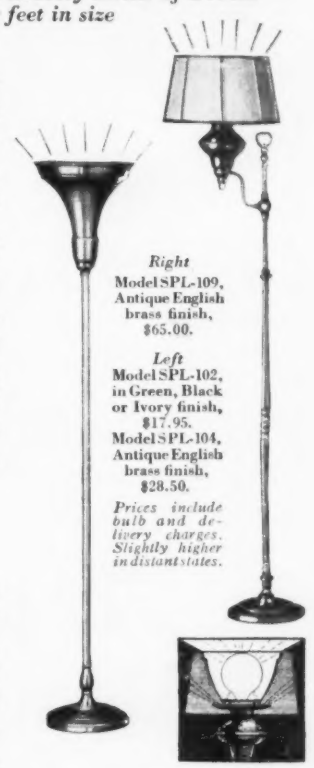

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The Camellia—Rose Of Japan

(*Continued from page* 140)

becomes impossible to move the Camellias out of the house after the growth is made, so in order to provide semi-outdoor conditions the top sashes, as well as those at the sides of the house, must be opened, exposing the plants as much as possible to the full influence of sun and air until autumn.

The Camellia is not very likely to suffer from attacks of insects. Green and black aphids attack the young growths and flower buds, but as fumigation with nicotine easily kills them they should not be allowed to remain long enough to do any injury. A white scale and mealy bug sometimes appear and these must be at once washed off with warm soapy water.

TO EUROPE

Known to the Japanese as Tsubakki, the Camellia was long ago christened the Japan Rose, a very appropriate name. It attracted the attention of the earliest foreign visitors to Japan and Kaempfer wrote about it and pictured it in his book published in 1712. Just when or by what means it was conveyed to Europe we do not know, but it is on record that it was cultivated in England before 1739 by Lord Petre. Very probably it went first from Japan carried by Dutch traders to Batavia, thence to Holland in the same manner as the Camphor-tree, Chrysanthemum, *Azalea indica* and a number of other plants. Be that as it may, it was grown in many of the best gardens of Europe toward the close of the 18th Century. It is figured in that wonderful old publication, *The Botanical Magazine*, in its first volume, plate 42 (1787) and the flower pictured is exactly that of the wild species.

It would appear, therefore, that up to that date little or no improvement in the Camellia had taken place. Considering what happened within the next few years, this may at first seem strange but the explanation is simple. In Japan the Tsubakki was regarded with superstitious awe by the warrior or Samurai class. The color of the flower is red and it has a bad habit of falling off at the neck almost as soon as its petals are expanded. The color suggested blood to the Samurai and the fallen flower a human head severed from the body, and so to those who lived by the sword the Tsubakki symbolized their probable fate by decapitation. One sees the plant in Japanese gardens today and one or two distinct varieties are grown, but the Japanese really favor another species *(C. sasanqua)* of which more anon. On the other hand, the Chinese appear to have no superstitious dread of this plant. It was cultivated in China's nurseries, temple grounds and gardens of the wealthy. Evidently quite a number of varieties were grown in Chinese gardens for we find the old East India ships plying between Canton and England carrying Camellia plants back to their friends and patrons. Through this means eleven well-marked varieties were in cultivation in England in 1812; by 1819 the number had so increased and the plant established itself so firmly in popular estimation that Samuel Curtis published a special monograph, elephant folio size, with eight pages of text, enumerating twenty-one varieties and illustrated by five beautifully colored plates, one of which is reproduced here. The artist, Miss Clara M. Pope, evidently possessed great ability, for her drawings are admirably done and the coloring is remarkably good. This monograph is interesting as being about the only one of this size devoted to a single genus of flowering trees. As different varieties blossomed they were figured in the current magazines which helped increase their popularity.

Early in the 19th Century nurserymen began the raising of Camellias from seeds. Later the intercrossing of varieties was diligently and successfully carried out and many hundreds of sorts resulted. As the Victorian Age approached its optimum the breeders of Camellias lost sight of everything else but the regularity of the blossom and, moreover, kept the plants trimmed into ovoid masses which in the end brought about a revolution. The old-fashioned varieties of Camellia, like Alba Plena, Lady Hume's Blush, prim, stiff and solid, not inappropriately typify the period; indeed, this type of Camellia might well be its floral emblem. The single varieties with their cupped blossoms, their abundant yellow-anthered stamens, and the semi-double forms had passed out of fashion in favor of the severely double, regular shaped blossom types.

One of the earliest introductions from China was known as the Warratah or Anemone Flower, and very beautiful it was with its mass of stamens partially converted into narrow petals. This was the forerunner of many similar varieties and this class together with the single-flowered forms is coming back into fashion.

THE BLUE

The ships of the old East India Company not only brought back a rich variety of Camellias but also stories about other colored forms which persisted down to the time of Fortune's visits in the middle of the 19th Century. Robert Fortune in his books makes frequent reference to his efforts to secure a yellow Camellia and a blue Peony. The blue Peony escaped him, even as it has all subsequent searchers, but in April 1850, when visiting a nurseryman's garden east of Shanghai, he came across one yellow Camellia plant in bloom and bought it. He tells us that the flowers belong to the Anemone or Warratah class, the outer petals being a French white and the inner ones a primrose yellow. Subsequently he safely transported it to England where it was identified as a variety of *C. sasanqua*.

Before the decline in popularity of the Camellia several hundreds of varieties were grown in greenhouses and in outdoor gardens. Many of these are now probably lost but enthusiasts are gradually bringing together a collection of what remain and breeding new ones and soon their efforts will place the Camellia on a pedestal higher than ever. An esteemed friend of mine, living in Long Island, has growing under glass some sixty different varieties, and at my request has kindly furnished the following

(*Continued on page* 158)

Before their *"lay me down to sleep"*

NO intelligent mother can question the value of the Listerine gargle for youngsters before they are tucked in for the night.

Recall that the mouth is the breeding place of disease germs. Many illnesses start there. Also recall that Listerine, used full strength, is fatal to germs. Therefore its use in the mouth is an aid to nature in forestalling diseases—particularly colds and sore throat.

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Should these ailments get the upper hand, increase the frequency of the gargle. You will be delighted to find how often Listerine overcomes them. Lambert Pharmacal Company, St. Louis, Missouri, U.S.A.

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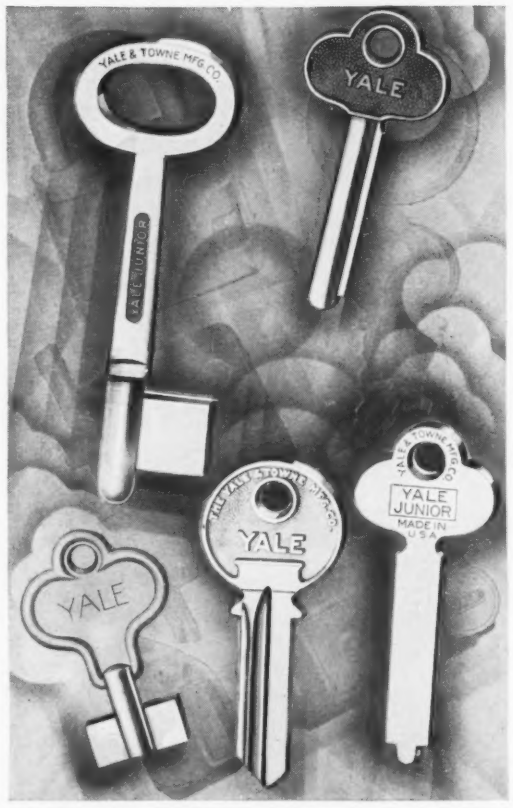

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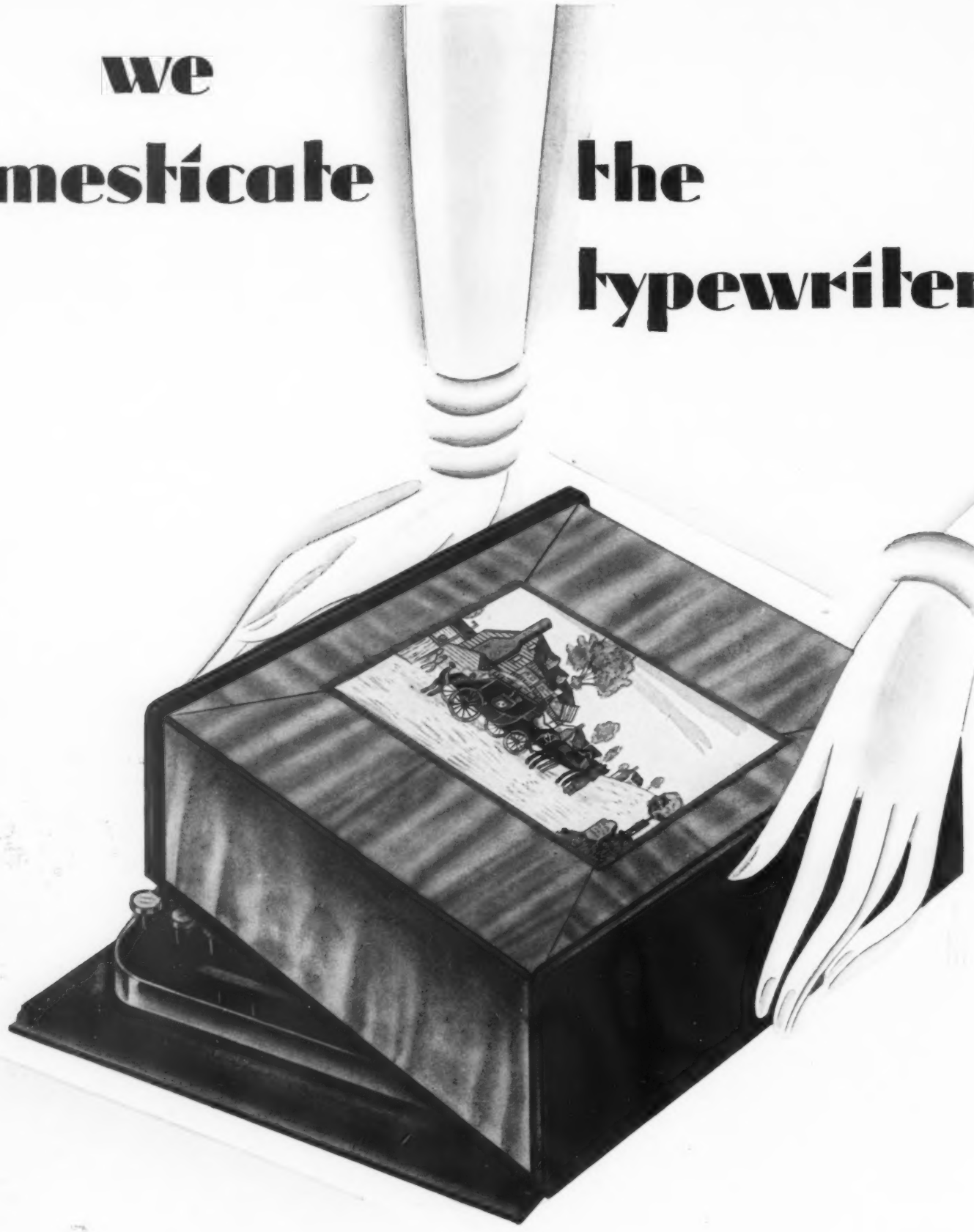

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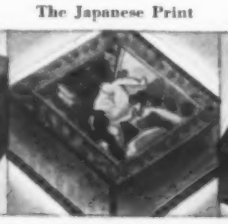

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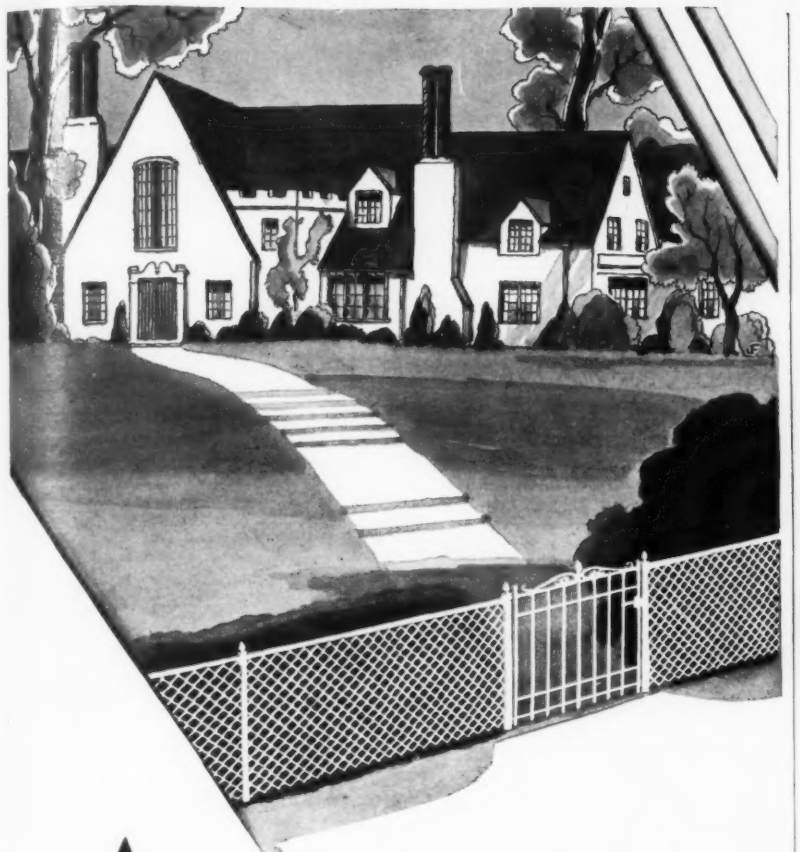

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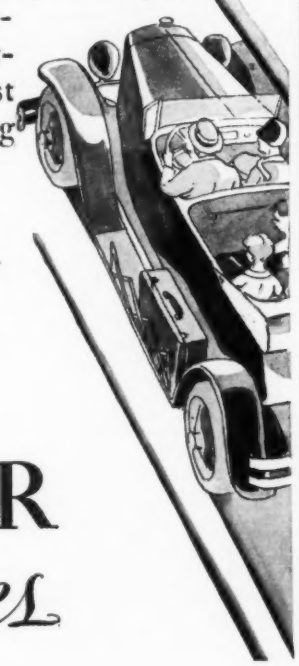

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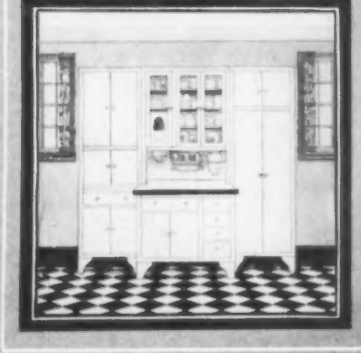

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You can also have WHITE HOUSE standard kitchen dressers, side units, broom closets, sink units and storage closets. Carried in stock for immediate delivery. If your dealer does not carry them, write for green booklet.

The Foundation For Finer Roses

(*Continued from page* 78)

long in any soil capable of supporting the average shrub.

The majority of garden Roses are highly bred. They make plants of fairly vigorous or of somewhat weak growth, two to three feet above ground with the roots extending twelve inches or so deep and wide. A root system consisting of the hard, woody main roots and the distinctly different soft, white feeding roots is rather scant and straggling, and not at all fibrous (like that of a Barberry, a Privet or a Boxwood, for instance)—just the type of root which is not capable of foraging far and wide for plant food, and which will quickly feel the effect of the lack of sufficient moisture in the soil.

In contrast to this rather inefficient root system below the ground, what do we have above? A top which is in continuous active growth for a longer period than almost any of our other common garden plants, often from April to November, and from which a great percentage of growth is cut away in the processes of pruning and removing the flowers. In other words, we have very nearly the minimum of a root system, with a maximum load to carry, over an exceptionally long period. It does not require a scientist to make the deduction that such a root system must be given every possible advantage if it is to do its job satisfactorily.

Common sense tells us, therefore, that to have garden Roses do their best they should be provided with plenty of root room, every cubic inch of which is so prepared as to help to support the plant, either by supplying plant food or through a constant supply of soil moisture. And while we are touching upon the subject of soil moisture, I cannot refrain from saying that, judging from my own experience, much of what has been written about Roses and "wet feet" is merely unchecked hearsay, handed down from one writer to another.

ROSE SUPERSTITIONS

I found that Roses will stand no more, but quite as much, abuse as the average shrub, and more than most perennials. The Rose garden shown in one of the accompanying photographs was completely flooded twice in the spring under several inches of water—the second time, after the foliage was fully out! Of courses, Roses will not grow in soil that long remains sopping wet, but very few things will.

Another Rose superstition is that one must have clay soil. If you want Roses and have no clay soil, don't worry. Good clay soil *unaided* will retain both plant food and moisture longer than a sandy loam and is usually well supplied with potash. Undoubtedly this is the cause for the origin for this particular rose theory, back in the days before we knew as much as we do now about how to treat sandy soils to make them retain moisture, and about plant nutrition—not to mention the advantages of modern methods of supplying moisture artificially. Anyone can grow Roses successfully even in a light sandy soil.

The subject of manures and fertilizers is a matter about which wordy discussions have raged for years. Special Rose foods, and elaborate formulae, have been compounded or recommended by many experts. I have tried not a few of these but have never discovered anything giving better results than the very simple system which I have employed for a number of years.

It is getting more and more difficult to obtain animal manures and for many purposes in the garden they are not at all necessary. In making a Rose bed, however, I like to get hold of genuine barnyard manure if it is at all possible to do so. It is now supposed to be an "exploded" theory that cow manure is better than stable or horse manure for Roses—another instance of the swing of the pendulum to extremes in these matters. Cow manure is a cold, heavy manure, which decomposes much more slowly than horse manure and remains in the soil for a much longer period—even after it has rotted it has more body, and is capable of holding more moisture than horse manure. If cow manure is not available, good stable or horse manure will answer the purpose, but not so well.

THE FERTILIZERS

Fertilizers for Roses should be of two quite distinct types—those used for helping to build a soil foundation and put into the ground before planting, and those used afterwards to help feed the growing plants. If the soil to be used in the bottom of the bed is of good quality, I add nothing but bone meal before planting, a mixture of two parts of the coarsest grade of crushed raw bone and one of bone meal. It takes several years, often four or five, for crushed bone to disintegrate in the soil, phosphoric acid and nitrogen being gradually released in the process. Ashes or tobacco fertilizer will furnish potash, a plentiful supply of which Roses require, if the original soil is likely to be deficient in this element. Quick acting fertilizers, with a high percentage of nitrogen, may be used in the soil nearer the surface of the bed, if the plants are to be put out in spring, or applied to the surface and cultivated into the soil in the spring after fall planting. They should be added thereafter either annually or semi-annually to maintain a plentiful supply of well balanced plant food which Roses must have at all times to continue growth and replace the parts of the plant being constantly removed as part of their culture.

With the conclusion of this somewhat dry but nevertheless very important survey of the conditions garden Roses require, and the materials which may be used to supply them, we come now to the actual work of preparing the beds.

In selecting the space for the Rose garden, or for the bed if a garden devoted exclusively to Roses is not possible, three things are desirable: plenty of sunshine, especially during the morning hours; good natural drainage, and therefore a slight slope, if it is available; and an open space, permitting free circulation of air in

(*Continued on page* 148)

Why continue this..

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A RECENT SURVEY of residences heated by the Iron Fireman brought to light this amazing fact: Iron Fireman had reduced the fuel costs of these homes 45.61 per cent! Average annual fuel savings of these typical home owners were $91.96.

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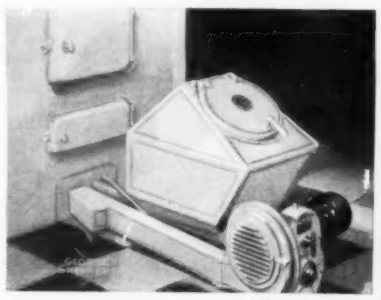

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The Rolling Screens above slip up into their hidden box for winter storage. Note how the Hinged Screens at the left, bowed to the curve of the bay, fit the architectural motif of the windows.

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Distinctive among the 24 models of the 1930 Chris-Craft fleet are the 20 and 22-foot runabouts. They are luxurious, deep-cushioned, 9 passenger Chris-Craft. They go like the wind, yet are easily controlled by boy or girl. They start, stop, steer, turn and reverse like an automobile, yet they are infinitely more flexible.

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Chris-Craft
World's Largest Builders of All-Mahogany Motor Boats

The Foundation For Finer Roses

(*Continued from page* 146)

all directions. You can grow Roses without these conditions, but they may be had more easily with them.

Lay out the design of the garden, or the bed, first on paper—because it saves time!—and afterwards with markers on the ground. I find that it is easier and less expensive in the end to mark them permanently by means of short stakes driven into the ground, to which flexible strips, about two inches wide, of inexpensive material are nailed. These may be left in, the gravel in the paths and the grass along the edges and around the beds soon covering them from sight. Paths may be from eighteen to thirty inches in width, and the Rose beds three to four feet wide, according to conditions and the design of the garden. Leave ample grass strips between beds even where there are no formal paths.

The next step is to remove all the soil. If the beds are being made in good sod, the soil may be thrown into shallow boxes, or onto pieces of burlap or canvas. Keep the good top soil separate from the poorer soil below. Go down to a depth of twelve to fifteen inches. If the drainage is naturally poor, it is advisable to go four or six inches deeper, replacing this bottom layer with crushed stone, gravel or coarse sand, to make sure of perfect drainage under the bed. Excepting under unusual circumstances, this will not be necessary, but the hard subsoil at the bottom should be thoroughly broken and loosened up.

Fill in from four to six inches in the bottom of each excavated bed with chopped sod and manure; if no manure is available coarse leafmold, compost or peatmoss in a rather lumpy condition may be employed as a substitute. On top of this scatter the crushed bone and bone meal; one to two pounds to each ten feet in length of a bed three feet wide; this is a heavy application, but it is to last for several years.

On top of this first layer place another of four to six inches of the best soil available, well mixed with granulated peatmoss, soil from the compost heap or other humus-supplying material. Add also fine bone meal or a good general purpose complete fertilizer, not too rich in nitrogen if planting is to be done in the fall, as much of this element would be wasted before growth begins in the spring.

The top two or three inches of soil should be well pulverized but need not be so good in quality, if a choice must be made, as that beneath, where the new root growth will develop. The beds when first filled in should be heaped up considerably as they will settle decidedly within two or three weeks. To hasten this process, if the weather is dry, soak thoroughly with the open hose two or three times at intervals of a few days.

In Rose beds prepared as suggested above, planting becomes a pleasure and consumes a minimum of time. A light forking over four or five inches deep, if the surface has become somewhat packed and hard, will give a fine and mellow soil not only easy to plant in but in which the Roses will find immediate nourishment, and they will spring to new life if there is any vitality in them.

If planting is to be done in the fall, it is well to procure the plants as soon as they may be obtained from the nursery, so that some root growth may be had before the ground freezes. Root action will continue long after frost has taken possession of the surface of the soil. I like to use an extra quantity of granulated peatmoss immediately around the roots in planting, as it seems to have a decidedly stimulating effect upon the development of new root growth. No additional fertilizer will be needed in the planting holes if the soil has been properly prepared. Fall planted Roses should be very thoroughly mulched for the first season, particularly in heavy soil.

If planting is to be done in spring, the dormant roots should be got into the ground at the earliest possible moment. Potted Roses may be set out at any time during April or May, or early June; but even with these, the earlier the better, as they will make much more vigorous growth in a well prepared bed than if left in the pots.

The method of preparing Rose beds above described is less of a task in the doing than it may seem to be in the describing. Roses, if one would grow them to perfection, are not among the easiest of plants to cultivate, but a really thorough preparation of the soil foundation will go far toward assuring success, not only for the first season but for years to follow.

Decorative Wall Surfaces And The Care Due Them

(*Continued from page* 86)

ing it to crack. Chintz papers with white ground and bright patterns develop a lovely ivory or antique effect by lacquering.

Factory lacquered papers are made on special stock and submitted to severe tests to prove their fastness to moisture and light. The wall lacquered after the paper is hung, on the other hand, has the advantages of thoroughly sealed seams and cut edges.

Whether paint is applied on plaster or wall board, it may be successfully washed if many clean cloths are used and the water changed frequently. Perseverance is the measure of a successful washing operation; only a small surface should be done at a time, with an up and down motion, taking care that each stroke overlaps the last to prevent streaking. Mild soap alone is permissible, for stronger alkalies may change the color of the wall. And as soon as the soapy water has done its work, the spot must be carefully rinsed and quickly dried.

When a wall is to be repainted the estimate should always include a preliminary washing, for paint on top of soil gives a far from satisfactory finish and on a greasy surface paint will not hold.

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A fine example of the exceptional precision of Port Orford Cedar woodworking. Living room in the home of H. W. Bunker, Hillsborough, California.

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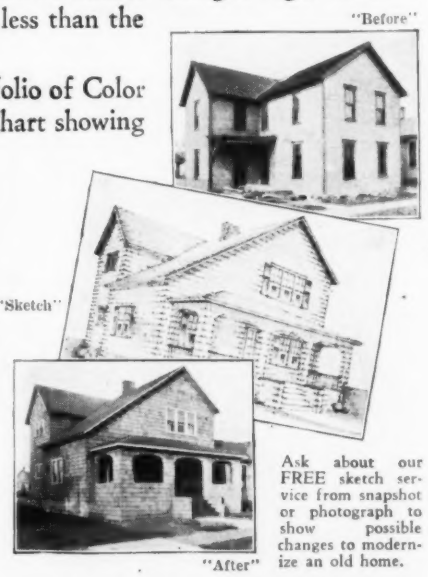

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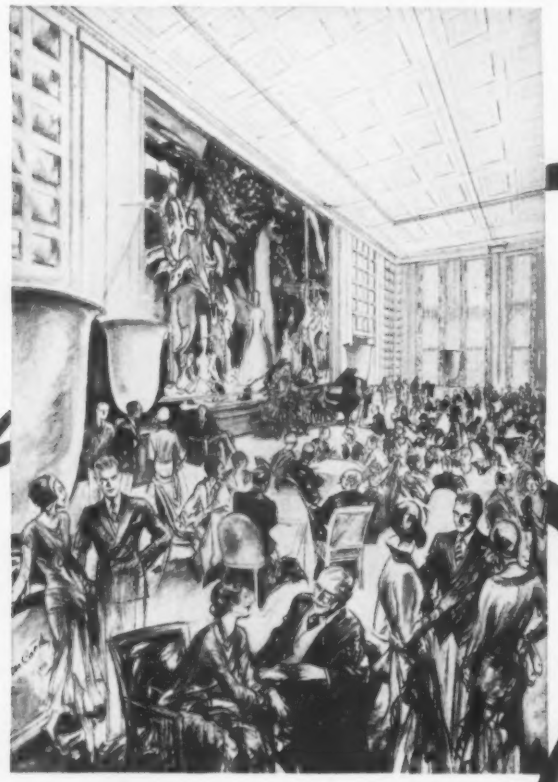
...where one's sophistication comes of age



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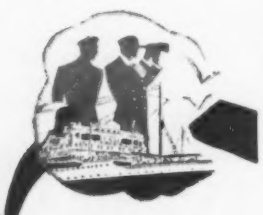

French Line

Information from any authorized French Line Agent or write to 19 State St., New York

A rear perspective brings out the compactness and balance of the whole property and the way in which the spirit of the house has been carried into the garden. Simplicity and straightforwardness mar it throughout

Grounds For The Modern House

(*Continued from page* 94)

hedge is sufficient room for setting out a number of Grape vines.

This long path affords a sense of distance through these various garden rooms, and it also affords easy access to the kitchen and the flower room.

One other auxiliary feature remains to be described before we go to the main garden—the Children's Playroof. This is laid out in tiles to make a Parchesi game. Around the edge are flower boxes in which can be grown annuals of bright hue in front of Privet. The boxes are low enough so that the children can do their own gardening and study and pick their own flowers.

As in the side auxiliary garden, so in the house garden, the area is divided into rooms laid out on definite axes. There is first the paved terrace behind the house—the open air living room of the family in summer. This is flanked on each end with a platform bowered by trees and potted plants, where a table and chairs are set. The service wing of the house affords protection to one of these and to the other a wall assures privacy. These will serve for summer breakfasts, and for tea or other al fresco entertaining. From each, steps lead down to a long panel of turf, bordered on one side by a hedge, on the other by the low wall that fences in the central panel.

The central panel is a continuation of the lines of the paved terrace behind the house. It is reached by two broad steps. On the main axis is a long pool in which Waterlilies may be grown; at the other end the terminus is marked by a low plinth on whose surface is a decoration cut in relief. The walls and the plinth are of cement over reinforcement or cinder blocks or hollow tile—the materials used for the house walls. Both at the entrance to the pool and at the side of the terminal plinth Bay trees or Box bushes in pots are used for accents. The remainder of the planting is in solid blocks of color—massed Tulips of one or two shades followed by massed annuals of selected colors. And in stating this we arrive at one of the features of the Modernist garden as it is being evolved abroad today.

However strange and unaccustomed

(*Continued on page* 154)

The garden is so planned that even in winter, with heavy snow on the ground, its outlines and principal features will remain in evidence. Thus is maintained that sense of unity which characterizes the entire property

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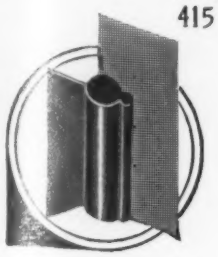

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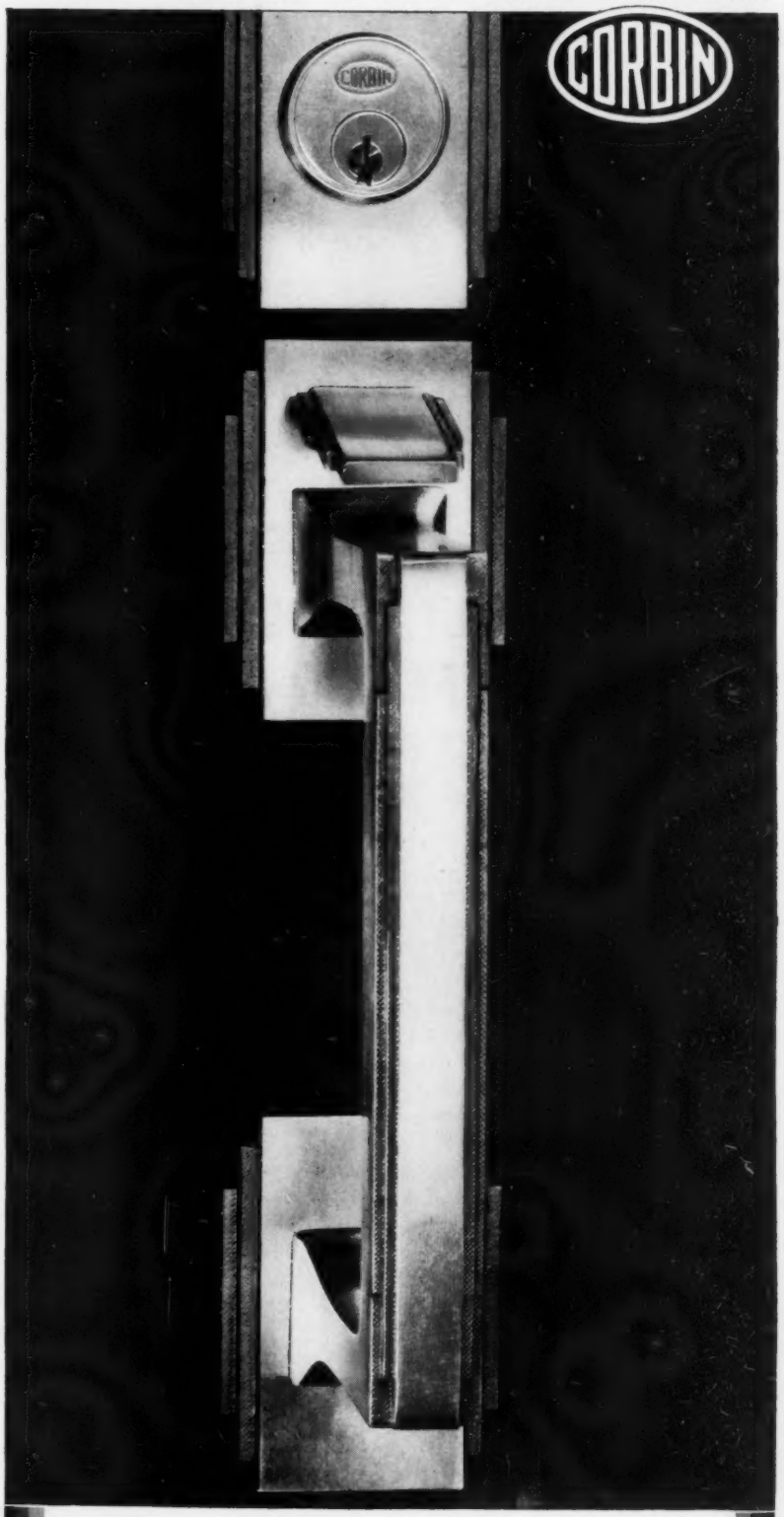

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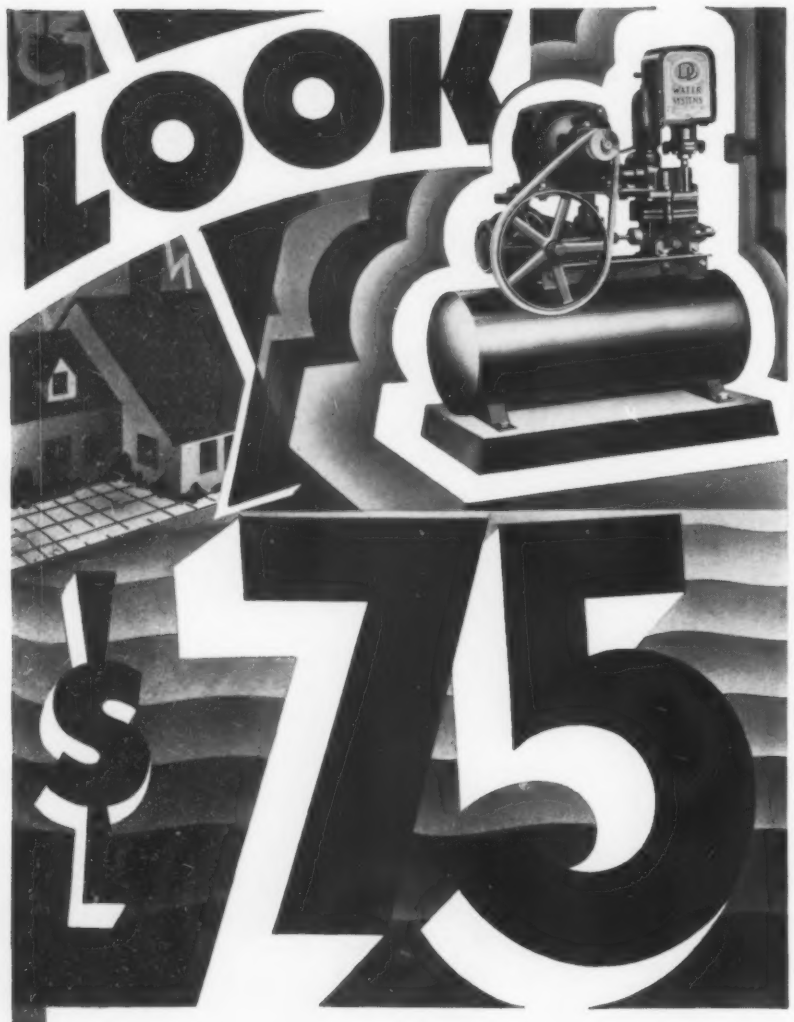

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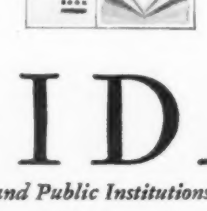

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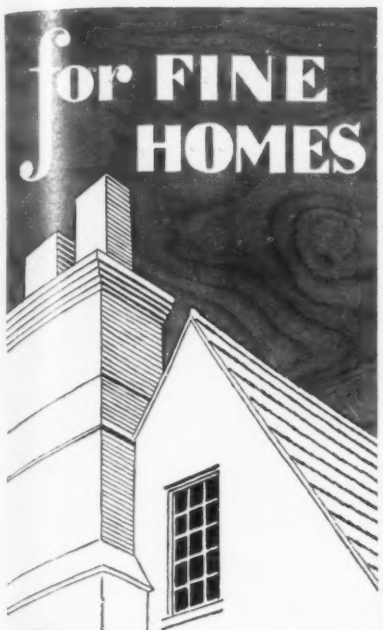
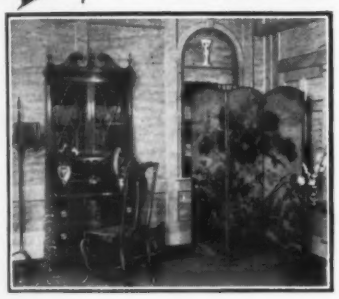


Colorful **birch** INTERIORS



FOR interior trim, doors, veneer paneling and hard durable floors, **birch** is ideal. Its indescribable beauty in marvelous transparent stains that enrich the attractive **birch** grain, wins the enthusiastic admiration of everyone. Available in many colors and tones—delicate orchid, pastel green, royal blue, mellow browns, silver gray, amber, rich rare ebony, natural or golden, and many others—these new finishes permit a different decorative scheme for each room, all equally lovely.

Interior woodwork of Wisconsin-Michigan **birch** is an asset to any building. Nearly "mar-proof" hardness assures that your **birch** trimmed home will always retain a fine appearance.

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birch is a preferred cabinetwood. Today, **birch** furniture—in early period designs—is again the vogue with people of discerning taste and has attained new heights of popularity that will be perpetuated by the sterling qualities of the wood itself.

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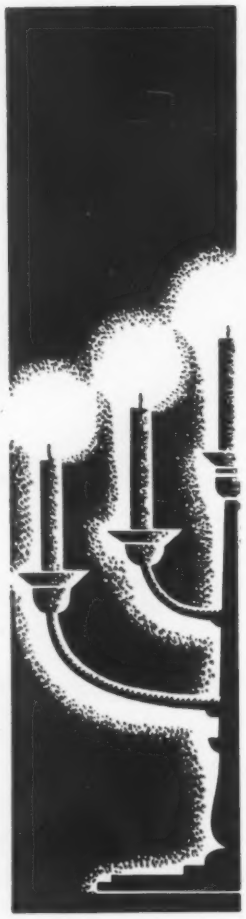

in keeping

There is a very tangible delight in the appointments of the dining table—in snowy napery, tasteful china, exquisite candelabra. And the smart hostess brings the same good taste that dictates these appointments, to the selection of the *condiments* that go with the delicate foods she serves.

Sweet little gherkins, so spicy, crisp, and tender; or tasty bits of cauliflower in a tangy mustard sauce. Plump queen olives, luscious with the happy flavors of Spanish sunshine. Delightful dainties — so appetizing that they give new piquancy to any food . . . zest to any occasions where foods are served!

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57

SOME OF THE 57 VARIETIES

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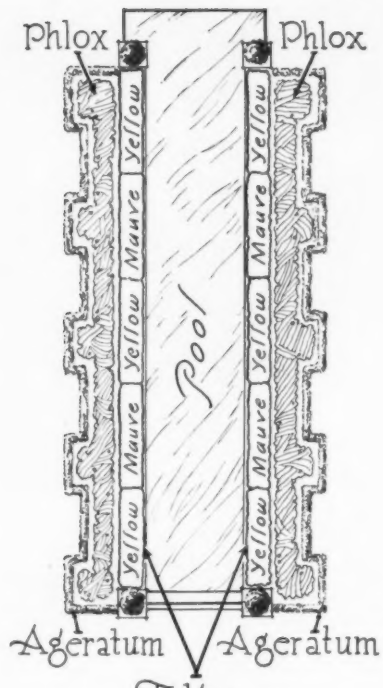
Heinz Sandwich Relish • Heinz Sweet Mustard Pickles • Heinz Sweet Pickles



The edging of the pool is made up of Tulips arranged in sections according to color, followed by Heliotrope. The outer border has Phlox divaricata and Cottage Tulips, interplanted and succeeded by Ageratum

Grounds For The Modern House

(*Continued from page* 150)

a shape the Modernist garden may assume, its planting is a distinct and definite return to what a previous generation called "carpet bedding". It is a garden of blocks of color, and sometimes the color effects are obtained with vari-toned pebbles and with only a minimum of flowers. In this design, as the planting list shows, the colors are massed for strong, direct effect, most of them being reflected in the waters of the pool. A Wall of Troy pattern edges the outside of these cement rimmed beds, and the intervening space between the beds and the retaining wall is covered with pebbles.

A garden such as this could be taken care of by one man. The lawn areas to be kept clipped are not too much. The hedges could be gone over once a year and with a modern rotary machine this would not be too arduous a task. The work in the Cutting Garden, Rose Garden and Vegetable or Fruit Patch should occupy half his time to attain perfection of flowers and fruit. The main job in spring, early summer and fall is filling the beds beside the pool—Tulips to plant in the fall, lifting them when their bloom has faded and filling in the area with annuals. Lest these beds appear too meagre between times, the edgings are planted with low-growing perennials.

List of Trees, Shrubs and Plants

TREES

For East Entrance,
- 3 *Populus* var. Lombardy (Poplar), center one 17′ high, others 10′ and 15′ high, at corner of plot.
- *Alternate (southern) Planting,* *Eucalyptus Robusta,* tall, towering gracefully, excellent for background.
- 1 large *Ulmus Americana* (Elm) 50′ high, at northeast corner of house.
- *Alternate (southern) Planting,* *Cocos nucifera* (Palm)

For West Entrance,
- 1 *Tilia americana* (Linden) 18′ high.
- *Alternate (southern) Planting,* *Jacaranda mimosaefolia,* lovely, fern-like foliage.
- 3 *Populus* var. Lombardy (Poplar), 17′, 15′ and 12′ high, in corner of plot.
- *Alternate (southern) Planting,* *Eucalyptus robusta,* tall, towering gracefully, excellent for background.

For South Corner of Gardens,
- 3 *Ulmus americana* (Elm) 40′ high, and 35′ (two).
- *Alternate (southern) Planting,* *Ficus altissima,* commercial Cocoanut.

For Southwest Corner of Plot,
- 1 *Ulmus americana* (Elm) 45′ high.
- *Alternate (southern) Planting,* *Ficus altissima,* commercial Cocoanut.

For South Pool Garden,
- 8 *Tilia americana* (Linden) 10′ high, trimmed as umbrella trees, in pairs at ends of both lawns, flanking central pool garden.
- *Alternate (southern) Planting,* *Jacaranda mimosaefolia,* lovely, fern-like foliage.

HEDGES

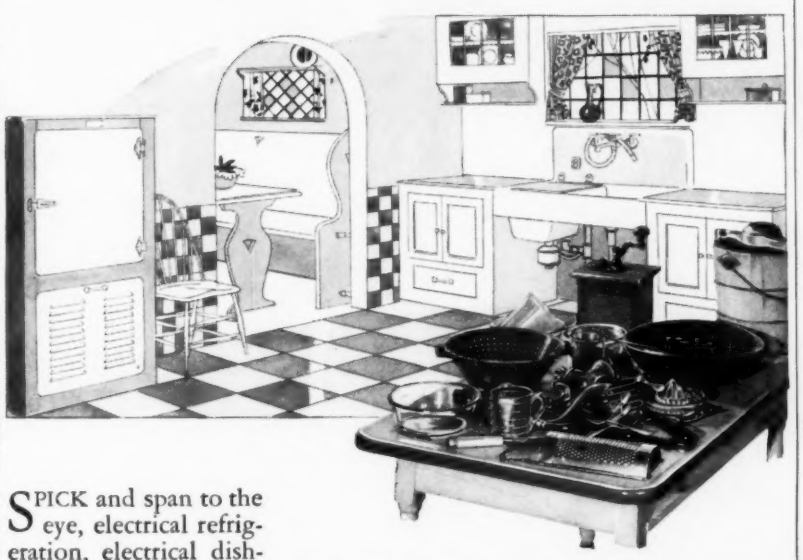
For East Side of Plot and North Entrance Drive,
- *Ligustrum Regelianum* (Regel's Privet) 3′ high, clipped in square form.

For House Side of Drive,
- *Berberus thunbergii,* 2′ high.

(*Continued on page* 156)

The PERFECT HOSTESS ..always considerate for the health of her guests..serves POLAND WATER morning, noon and night

What's wrong with THIS picture?



SPICK and span to the eye, electrical refrigeration, electrical dishwashing, gleaming tiles, a beautiful floor . . . what *IS* wrong?

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Grounds For The Modern House

(*Continued from page 154*)

Alternate (southern) Planting for both sides of drive, *Carissa acuminata*, dense, thorny growth, glossy green foliage.

For Blocking Vegetable Garden, Lawns and South End of Central Garden,
Ligustrum regelianum (Regel's Privet), clipped square, 6′ from lower garden level.

For Enclosing Vegetable Garden, up to Lattice,
Ligustrum regelianum (Regel's Privet), clipped square, 2′ from garden level.
Alternate (southern) Planting, for both, Australian Pine, same height.

For South Pool Garden,
Berberus vulgarus (Common Barberry) 8″.
Alternate (southern) Planting, *Duranta plumieri*, Golden Dewdrop.

VINES

For Boxes on Garage,
Actinidia arguta, Japanese Moon Vine.

On House,
Akebia quinata and *Euonymus radicans*, broad-leaved evergreen variety.
Alternate (southern) Planting, *Jasminum gracillimum*, Star Jasmine.

Breakfast Garden, Lattice,
Clematis caerulea, blue (blooms June and July), and *Clematis paniculata*, white (blooms in September).

Service Courtyard, Lattice,
Euonymus radicans, broad-leaved evergreen variety.

Children's Roof Garden,
Akebia quinata.

SHRUBS

For South Pool Garden,
4 Pyramidal Box bushes at base of house facing south garden.
Alternate (southern) Planting, *Duranta plumieri*, Golden Dewdrop.
4 Pyramidal Box Trees, *Buxus sempervirens*, in pairs at side outlets.
Alternate (southern) Planting, *Duranta plumieri*, Golden Dewdrop.
2 Pyramidal Box Trees, 6′, at end of pool, or 2 *Juniperus virginiana*, 6′.
Alternate (southern) Planting, *Aralia balfouri*, tall columnar growing shrub.
2 Round Box bushes or Box Trees, 3′ in diameter, at house end of pool.
Alternate (southern) Planting, *Tecoma capensis*, handsome pinnate foliage.

For West Side and North of House,
Retinospora filifera, 5′ with *Spirea van houttei* in front and *Juniperus prostrata* at base.
Alternate (southern) Planting, Hibiscus and Nerium Oleander, dark green foliage; both have bloom, white, pink and red.

For Enclosed Courtyard Garden or Outdoor Living Room,
Berberus aquifolia (Holly-leaved Mahonia) with *Ilex verticillata* and Pachysandra at base.
Central panel of fine turf.
Alternate (southern) Planting, *Pittosporum tobira*, thick, dark, glossy green foliage.

For Children's Roof Garden,
Ligustrum vulgaris (Privet).

FLOWERS

Edging Pool,
Tulips arranged in five sections according to color—two outside and center sections of pale yellow (Old Times); second and fourth sections of mauve (Le Mogol).
Giant Heliotrope interplanted and to follow.
Alternate (southern) Planting, Repeat Tulips, with *Plumago capensis alba* to follow.

Outer Border,
Phlox divaricata or *Sedum spectabile* and Cottage Tulips, var. Mrs. Moon, interplanted and followed by Ageratum.
Alternate Planting, *Bellis parennis*, followed by White Petunias, double fringed.
Alternate (southern) Planting, Lantana and *Plumbago capensis.*

Two Side Terrace Gardens,
Berberis thunbergii, 2½′, at corners and at base of walls.

Breakfast Garden,
Red Tulips, var. Lord Byron.
Antirrhinums (Snapdragon) Pale Yellow 12″ to 18″
Bright Pink 12″ to 18″ and 3′
Blue
Alternate (southern) Planting, *Allamanda nerifolia* (Bush Allamanda), medium size, bright yellow flowers.
Plumbago capensis.

Children's Roof Garden,
Marigolds (yellow)
Babysbreath (white)
Violas, var. Johnny Jump-ups (yellow and blue,
Dianthus plumarius (Pink)
Chrysanthemums, var. Shasta Daisy (white).

Country Conversation

(*Continued from page 76*)

enough that we retreat from city noise and city bustle, from nervous tension and a multitude of complicated social endeavors; it is not enough that we go back occasionally to touch real earth and have contact with green growing things. Nor is it all that the country can give us when we play there or sow and reap. Until we catch the rustic viewpoint, until the similes of our conversation are bred from contact with soil and crops and cattle and the superstitions of the rural race—until then we are merely visitors or invaders. We are not real countrymen until we can greet our friends with both the spirit and words of "Set down and rest your face and hands". RICHARDSON WRIGHT

Plan Ahead For Your Child's School

If you have children who will be going to private school within the next ten years, it is not too early to think about it now.

Enrollments in the best schools are often made years before actual entrance. And, of course, you wish plenty of time to consider the many possibilities.

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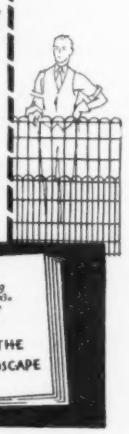
A handy book on landscaping



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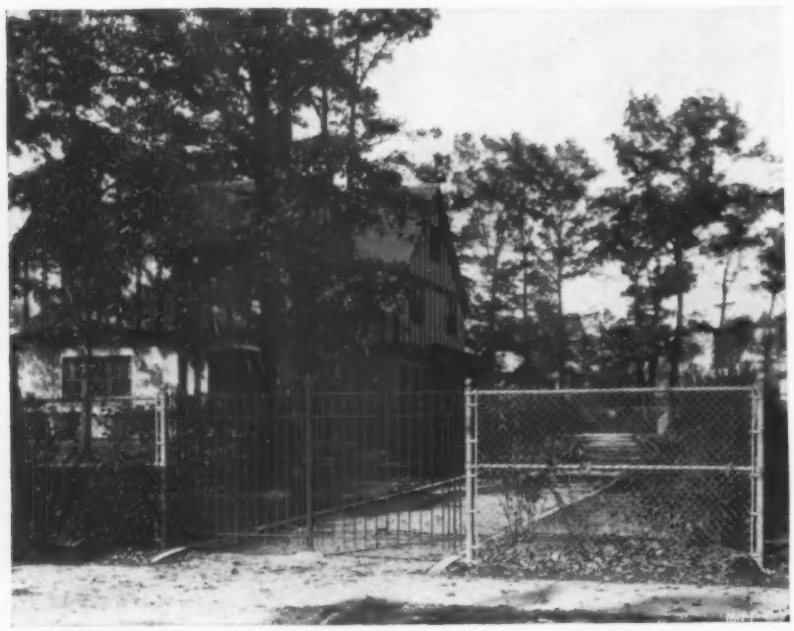

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Pacific Coast Division
STANDARD FENCE COMPANY, *Oakland, Calif.*

The Camellia—Rose Of Japan

(*Continued from page* 142)

list of thirty varieties which he considers the pick of his collection.

Alba Plena—full double flower, clear crystal white.

Auguste Delfosse—double red.

Carlotta Grisi—very large, full double flower, orange crimson, Dahlia form.

Chandleri Elegans—double, pink and white.

C. M. Hovey—very large semi-double, cherry red.

Comte de Gomer—double, flesh pink with a few markings of carmine.

Empress—very large, semi-double, beautiful shade of salmon pink.

General Washington—large semi-double, creamy white with delicate pink markings.

Gigantea—semi-double, red with white markings.

Glorie de Nantes—very large semi-double, cerise, center of long yellow stamens.

H. A. Downing—very large semi-double, bright vermillion.

Il Cygno—semi-double, pure white, Waterlily type.

Imperator—very large double, deep salmon pink, irregular petals, intermixed with golden stamens.

Julia Drayton—large salmon pink, lighter toward the center.

Kellingtonia—double, red and white.

Lady Derby—double, rose pink, medium sized bloom.

Lady Hume's Blush—double, white flaked with delicate pink.

Lady Marion—double, deep flesh pink.

Marchioness of Exeter—double, salmon pink, Peony type bloom.

Mathottiana Alba—double, very pure white, fine formed flower.

Minerva—single, beautiful clear pink with golden stamens.

Mrs. F. Sander—single white.

Nobilissima—creamy white petals interspersed with yellow stamens, full double.

Preston Rose—double, pink, a few white markings, Peony form.

Princess Bachinachi—double, medium sized flower, red, white and pink.

Professor C. S. Sargent—full double, Peony formed flower, deep crimson.

Sara C. Hastie—beautiful full double, flesh pink.

Rev. John Bennett—double, salmon pink, center petals interspersed with golden stamens.

Tricolor Sieboldii—single, red, pink, and white.

William S. Hastie—double, deep vermilion red.

Strange as it may appear, of the scores and scores of varieties referable to the Rose of Japan *(C. japonica)* not one equals the wonderful *C. reticulata.* This Camellia is easily recognized by its dull green, netted leaves and by its enormous, soft red flowers, each from six to seven inches across, semi-double, with undulated crinkled petals surrounding a cluster of yellow stamens. This gorgeous Camellia was taken to England by a Captain Rawes in 1820 where it flowered for the first time in 1826. In 1824 it was received by the Horticultural Society of London from its collector, Parks. Since that time a century has elapsed and thousands of new plants have been discovered in China, but so far as is known no person has seen this Camellia outside of a garden; neither has any wild species been discovered to which it could be remotely referred, and so it remains an aristocrat of the purest water whose origin is wrapped in obscurity.

I mentioned earlier that the Japanese had not taken any particular pains to improve *C. japonica* but had devoted more time to *C. sasanqua.* This is also a native species, less robust in habit, and of twiggy growth, with smaller leaves and hairy shoots but with flowers only slightly inferior in size to those of *C. japonica.* Many of the forms have saucer-shaped blossoms each fully three inches across with a central mass partly of stamens and partly of narrow, sometimes crested, petals making a delightful Peony or Anemone-like blossom. Some of the white forms are particularly lovely. Evidently the Japanese garden forms of *C. sasanqua* were carried by the flower-loving priests and traders to the wealthy cities of China, for several of them were found in and around Canton and taken to England with the varieties of *C. japonica.* There are many other species of Camellias; indeed, the plant which yields the well known beverage tea is a Camellia. All have attractive flowers but in size and brilliancy of color none approaches those of the three species already mentioned. There is, however, a free-flowering species known as *C. cuspidata* with small white blossoms which I may be pardoned for mentioning since it is one of my own discoveries and introductions.

An Ideal Rock Garden

(*Continued from page* 130)

first Snowdrops, the rare little early Crocuses and sprightly Pyrenean Daffodils make their appearance, to the time when the autumn Crocuses and Colchicums are blown out of the ground like colored bubbles, and the Michaelmas Daisies twinkle out far up among the trees and shrubs at the top of the hill. Here at the top of the hill a very complete collection of wild flowers is assembling, the taller wildish things, Foxgloves, Snakeroot, Butterflyweed, Mulleins, Cohosh, that would be out of place lower down among the little rare treasures. And bulbs are everywhere; hundreds of Daffodils, hundreds of the gay little Tulip species, Grape Hyacinths, Scillas, Chionodoxas, Crocuses, Troutlilies, Stars of Bethlehem and what not.

Altogether it is a lovely garden and one from which many lessons are to be learned. Its plants are in the pink of condition and kept so by intelligent and unremitting care; the associations are delightful, the colors complementing each other most becomingly, and the collection of plants itself is of rare interest and variety. Such a garden is far-reaching in its influence and a boon to the neighborhood in which it springs up.

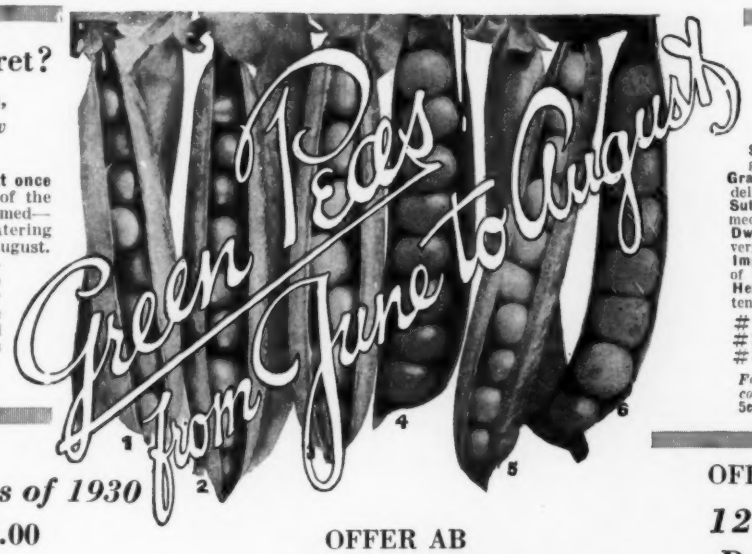
A Page of SCHLING SPECIALTIES for 1930

Last Minute Novelties and Recent Introductions

Do *You* Know This Secret?

GREEN PEAS, *and plenty of them, from June to August—if you follow the simple directions.*

Plant this collection of 6 choice varieties **all at once** this Spring, just as soon as the frost is out of the ground—and they will mature in the order named—producing a steady procession of big, mouth-watering crops from about June 20th till late in August. The reason for this is evident. Peas must develop their roots in the cool weather and so are able to supply sufficient moisture to leaf, flower and pod as they rapidly multiply under the summer sun. On the other hand late planted peas are almost always a disappointment, as every experienced gardener knows.



Schling's "Long Season" Pea Collection

Schling's Pedigree Extra-Early, 2½ feet. The earliest Pea grown; large, well-filled pods.
Gradus or Prosperity, 3 feet. An early fine wrinkled Pea of delicious flavor.
Sutton's Excelsior, 1½ feet. The most productive dwarf medium-early wrinkled Pea; very sweet.
Dwarf Champion, 2½ feet. An enormous cropper. Broad pods, very sweet.
Improved Telephone, 5 feet. Enormous pods, filled with Peas of the finest quality.
Heroine, 4 feet. Pods are large, deep green, somewhat curved; tender Peas of finest quality.

#1—½ lb. each of all 6 varieties, 3 lbs. in all....$1.75
#2— 1 lb. each of all 6 varieties, 6 lbs. in all.... 2.75
#3— 2 lbs. each of all 6 varieties, 12 lbs. in all.... 5.00

For once—all the green Peas you want if you buy this collection. Delivered free within 300 miles. **Beyond, add 5c per lb. for postage.**

OFFER AA

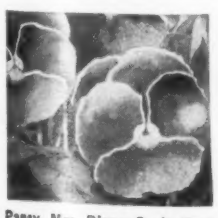
Absolutely New! Novelties of 1930

A $15.40 value for $12.00

"Sweet Wivelsfield"—(Dianthus Allwoodii x D. Barbatus)—a remarkable new strain. (Offer A-A.)

Gentiana Hascombensis—a new medal winning Gentian. (Offer A-A.)

Viola Royleana—a rock garden novelty. (Offer A-A.)



Pansy, Mrs. Pierre S. du Pont—most remarkable pansy in years. (Offer A-A.)

New Iceland Poppy Orange Gold—In this lovely new shade the gold tone is of the most shining brightness and produces a marvelous effect.
Pkt. 75c; 3 pkts. for $2.00

Clarkia Dble. Copper Scarlet—Adding a brilliant new shade to the collection of very popular easily grown Annuals, so lovely for cutting and so effective in beds. **Pkt. 60c; 3 pkts. for $1.50**

Gentiana Farreri (Gentian)—A beautiful rare species from China, bearing in August large skyblue flowers with white throat veined black. Perennial.
Pkt. $1.00

Gentiana Hascombensis—This lovely new Gentian will grow in either sun or shade. Flowers bright mid-blue produced in great trusses award of merit, R. H. S. **Pkt. $1.00**

Sweet Wivelsfield (Dianthus Allwoodii x D. barbatus)—This remarkable hybrid has the habit of the annual Sweet William but its flowers are much larger. **Pkt. 75c; 3 pkts. for $2.00**

Surprise-Aster "Salmongold"—A glorious new color. Flowers are pure salmon-yellow and when fully developed radiate with salmon-pink.
Pkt. 75c; 3 pkts. for $2.00

Venidium Fastuosum—Brilliant orange flowers 4 inches across with shining black center displayed to perfection in a setting of soft gray woolly foliage make this a most desirable and brilliantly showy plant. Received award of merit R. H. S. **Pkt. $1.00**

Ostrich Plume Celosia, Heatherdell—Great trusses of elegantly feathered and handsomely interlaced plumes strikingly beautiful. Offered in two colors—**Heatherdell light, terra-cotta pink tipped with bronze. Pkt. $2.00**
Hetherdell deep, iridescent rose—Pkt. $1.00

Victoria-Aster, Golden Fleece—A lovely pale yellow Aster with faint suffusion of buff. **Pkt. 35c**

Larkspur, Los Angeles—Rich salmon undertone overlaid with a brilliant and pleasing rose. **Pkt. 50c**

Two Lovely New Hardy Border Carnations (Earliest Dwarf Double Vienna)—The very early and profuse blooming qualities of both varieties make them especially valuable where fine cut flowers are wanted. **Prof. Malmgreen, brick red. Pkt. 75c**
Othello, dark velvety crimson. Pkt. 75c

New Giant Pansy, Mrs. Pierre S. du Pont—Rich pure golden apricot blushed with salmon—without center lines to mar its beauty.
Pkt. $1.00; 6 pkts. for $5.00

Viola Olympica Royleana—A new gem for the Rock Garden. True violet form, exquisite rich velvety deep royal blue.
Pkt. $1.00

Zinnia Dahlia flowered "Youth"—A beautiful self rose with huge flowers of true Dahlia type.
Pkt. 50c; 5 pkts. for $2.00

Erigeron Divergens—Lovely delicate lavender daisy on long stems. It is the Annual form of the well known hardy Erigeron and will be of great value for bedding and cutting. **Pkt. 50c**

Peerless Aster—Yellow—Deep yellow, fading slightly as the flower ages. Of large size, very double.
Pkt 35c; 3 pkts. for $1.00

Cephalaria Alpina—5-8 feet, branch freely and bloom practically all summer. The flowers are very double of deep canary yellow, on 2-foot stems: they resemble a scabiosa.
Pkt. 50c; 5 pkts. for $2.00

Veronica Teucrium, Royal Blue—This lovely new Gentian blue dwarf speedwell is a gem for the rockery and border. The plants are 1 foot high of spreading habit and are in bloom from June to August.
Pkt. 35c; 3 pkts. for $1.00

Last and best!—The "Book for Garden Lovers"—a splendid guide to better gardens, 35c a copy—free with first order.

OFFER AB

Schling's "Get Acquainted" Collection

A $3.25 value for $1.00

Schling's American Beauty Aster—Gigantic flowers, 7 inches across, 3 ft. stems, same color as American Beauty Rose. **Pkt. 35c**

Schling's New Orange Glory Calendula—Golden orange perfect form. Very double. **Pkt. 25c**

Schling's New Annual Double Fringed Hybrid Chrysanthemum—In a charming color range, very attractive in both garden and vase. **Pkt. 15c**

Schling's Semi-double Crested Cosmos—Of giant size with double rosettelike center **Pkt. 25c**

Schling's New Hybrid California Poppies—Lovely new shades of pink, scarlet, chrome, copper red, claret, purple, etc. **Pkt. 25c**

Schling's New Giant Hyacinth Flowered Larkspur—Excels all others in length of stems, size of flower spikes and general vigor. **Pkt. 35c**

Schling's New French Marigolds—Glorious—Rich velvety brown, blotched on brilliant velvety scarlet. A gem. **Pkt. 75c**

Schling's New Erysimum, Orange Beauty—Pale orange-yellow, wallflower-like spikes. Delightfully fragrant. **Pkt. 25c**

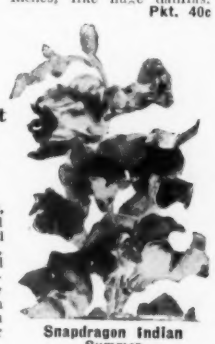
Schling's New Giant Early Flowering Pansy—World Record—Flowers of immense size on long stems. In bloom from March to December. **Pkt. 25c**

Schling's New Marvelous Dahlia-flowered Zinnia—True Aristocrats. Flowers 6 to 7 inches, like huge dahlias. **Pkt. 40c**

Indian Summer

Latest and Loveliest of Schling's New Supergiant Snapdragons

Marvelous not only for **size,** though its flower spikes rival the gladioli in height and vigor—but also for its **color,** a rich velvety copper red hitherto unknown in snapdragons and indescribably beautiful—no other snapdragon remotely approaches it—a "First Prize" winner wherever exhibited.



Snapdragon Indian Summer

OFFER AF

GLORIOUS GLADIOLI!

100 for $4.00

Choicest Mixture—Including all the latest and most beautiful varieties such as the lovely Primulinus or Orchid Gladioli, running a gamut of subtle pastel shades from ivory yellow to an iridescent bronze such as mark the finest nasturtium collections. Start planting April 25th and every 3 weeks thereafter to July 15th and enjoy a long processional of beautiful bloom.

A $7.00 Value for only $4.00 or 50 Bulbs for $2.25.

OFFER AG

12 Prize Dahlias

at ⅓ Actual Value

A $15 value for $5

By a special arrangement we are able to offer a limited number of this choice Dahlia collection, consisting of 12 exhibition Dahlias in 12 named varieties, at a **truly remarkable price concession.** Never sold for less than $15.00 before. They are all exhibition varieties that will be the pride of your garden for years to come.

Venidium Fastuosum—Undoubtedly the season's sensation! Its sterling qualities are destined to make it not only the year's prime novelty but the pride of many a garden for years to come. (Offer A-A.)

OFFER AH

Montbretias

whose flower clusters, in exquisite pastel shades ranging from pale yellow to deep orange, hung like golden stars on long, slender, wiry stems, have all the airy grace of the orchid Odontoglossum. Plant the bulbs in April and May, 3 inches deep and enjoy them all season. Easily grown.

25 Bulbs for $2.00
50 for $3.75
100 for $7.00

OFFER AI

Giant French Poppy Anemones

Marvelous poppy-like flowers in wonderful color combinations. Blues with white bases; Pinks with blue bases. Cream and apricot shades in endless profusion. Truly a gem of the first water! Plant bulbs in May, 3 inches deep.

25 Bulbs for.....$3.00
50 " ".....5.50
100 " ".....10.00

Sowrite Seed-Sower

Sows Seeds at a Touch!

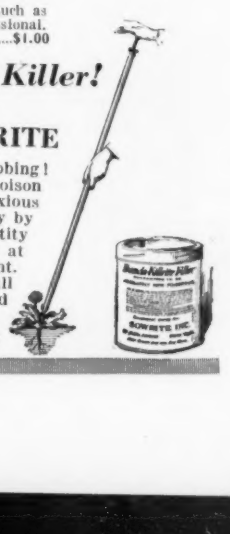
Enables the amateur to sow all fine seeds, such as in the Offers above, with the skill of the professional. Saves time, labor and seeds.....$1.00

At last! A Perfect Weed Killer!

DANDO KILLRITE

No stooping—no grubbing! Destroys dandelions, poison ivy, and all other noxious weeds easily and quickly by depositing a small quantity of the Killrite chemical at the heart of each plant. **Absolutely harmless** to all animal life, hands and clothing.

Dando Killrite.....$5.00 each
Killrite Filler.....60 a can



Madison Ave., at 59th Street **Schling's Seeds** New York City

MAX SCHLING SEEDSMEN, Inc.

I enclose $..... Send me Offer AA ☐, AB ☐, AF ☐, AG ☐, AH ☐, AI ☐, Green Peas ☐, Indian Summer ☐, Sowrite Seed Sower ☐, Dando Killrite ☐, "Book for Garden Lovers" ☐.

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Address .....

Plant a fence

–raise beautiful flowers –shrubs–gardens–lawns

You can't train the public —their first consideration is personal enjoyment.

Page Fence stops malicious trespassing—uninvited picnics—paper-strewn grounds—stolen flowers.

64 Service Plants erect Page Fence everywhere. Write for name and address of Plant in your locality. Also—for a copy of "Boundary Lines" —an instructive book on property protection. Page Fence Association, 520 N. Michigan Ave., Dept. A-79, Chicago, Illinois.

INVESTIGATE! Page fabric available in Copperweld non-rusting wire —reduced upkeep—lifetime service.

America's first wire fence – since 1883

PAGE

nation-wide service through 64 service plants

FENCE

CHAIN LINK · GALVANIZED OR COPPERWELD
ORNAMENTAL WROUGHT IRON

A garden house at Oak Park, Illinois, size 11 x 8 feet

FEATURES TO ENHANCE THE BEAUTY OF YOUR GARDEN

To really enjoy a garden, to set it off to its best advantage—place a few Hartmann-Sanders architectural features at appropriate points.

It's surprising what a great amount of charm can be added to any garden landscape by the simple addition of a stately pergola, pergola enclosure, rose arbor, trellis or shelter house. The added beauty that they provide far exceeds their nominal cost.

Every Hartmann-Sanders architectural feature is the best of its kind, made of the best materials and comes to you painted one coat ready to assemble.

Hartmann-Sanders' designing department work with you in developing garden furniture suited to your particular garden scheme. There is no cost for this service.

Koll Lock-Joint Columns used on Hartmann-Sanders architectural features cannot come apart.

A BOOKLET OF PERGOLAS AND GARDEN HOUSES WILL BE SENT UPON REQUEST

Hartmann-Sanders has published a large, profusely illustrated booklet which offers countless suggestions to those who seek distinction in their home surroundings. It shows page after page of beautiful pergolas, garden houses, ornamental fences, garden entrances, seats, rose arbors, trellises, columns and garden accessories of all kinds. For the booklet, send 30 cents to Hartmann-Sanders Co., Factory and Showroom: 2165 Elston Avenue, Chicago. Eastern Office and Showroom, Dept. P, 6 East 39th Street, New York City.

HARTMANN-SANDERS

Pergolas Colonial Entrances Koll Columns
Rose Arbors Garden Equipment

NOW CHURCH

BATHROOM FURNITURE IS THE LATEST COLOR VOGUE

THE alluring charm of color—gay color—captivating color—has become the soul of modern decorative planning in thousands of interesting homes. And nowhere has it succeeded in creating a more delightful, more fascinating effect than in the up-to-date bathroom.

The popularity of color in the bathroom is readily reflected in the way Church Colored Toilet Seats and Bathroom Stools and Chairs have taken the country by storm. Like the famous Church Sani-White Seats, these new toilet seats designed in color can be attached to any make of bowl in ten minutes' time. They are available in a complete range of lovely pastel shades and richly lustrous sea-pearl tints.

With harmonizing curtains, and bath mats, and other little notes of color which your bathroom may already have, Church Colored Stools and Chairs will add a pleasing brightness which you and your guests will find attractive.

The entire line of Church Bathroom Furniture is covered with a solid, ever-durable material guaranteed to last indefinitely. Church Seats, Stools and Chairs will not chip, crack nor lose their original luster. Any reliable plumbing store will be able to supply you.

We have prepared a *Color Folio* which illustrates different color combinations you are able to create. It will be sent on request. C. F. Church Mfg. Co., Dept. H-3, Holyoke, Mass.

CHURCH sani-SEATS

"TOILET SEATS FOR BETTER BATHROOMS"

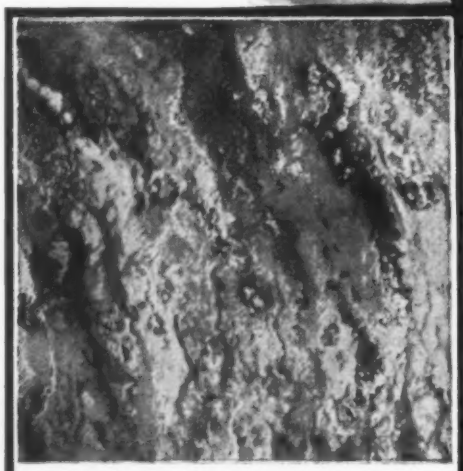
Elusive beauty of age-old marble

THROUGHOUT the ages, marble has ever been associated with culture, nobility, power. Kings and conquerors have commemorated their triumphs in lustrous marble — great cities and nations have written the story of their achievements in this imperial stone.

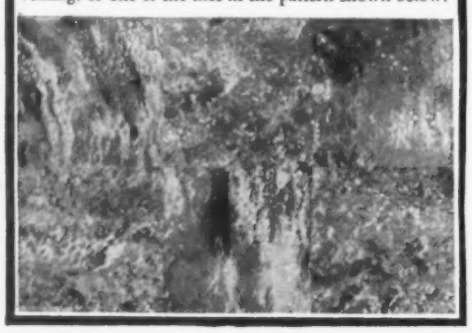
And today marble is still in style. Modern interior decorators, eagerly seeking new and strikingly unusual color effects, have found them in the richly veined varieties of marble.

Today, however, you need not be a prince to "dwell in marble halls"—to have handsome marble effects in your home or place of business. For an inexpensive, modern material — *Sealex Linoleum* — has rivaled the beauty of marble itself.

A challenging statement — but here are pictures to prove it. Look at the realism of these Karnean marbled patterns. Unexpected dashes and splashes of blue and ivory. Flickering red flames. A vivid streak of color sweeping across the tile like a flash of lightning. Almost incredible, that man should succeed in equaling the gorgeous beauty of nature.



A close-up showing the gorgeous colorings and delicate veinings of one of the tiles in the pattern shown below.

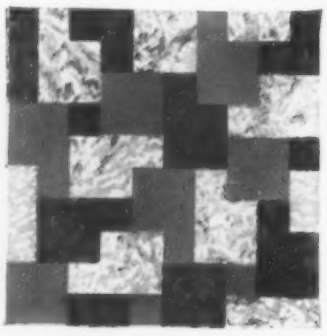


All marble's subtle loveliness—and none of its disadvantages. Resilient *Sealex Linoleum* is warm, comfortable and quiet underfoot — a really "well-bred" floor. And, thanks to the famous *Sealex Process*, almost as easy to clean as marble itself.

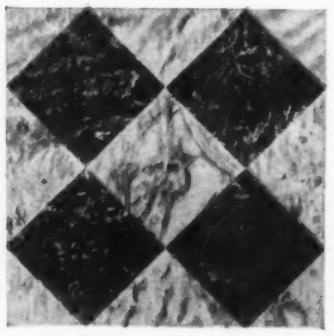
Don't expect to find the wonderful marble realism we have been describing in any other linoleum. The process by which the Karnean designs are made is secret. So remember to ask for *Sealex*, when buying your linoleum.

"WOMEN'S RADIO INSTITUTE"— look for it in the radio column of your newspaper. A half-hour morning program of delightful entertainment and practical help. Write us—*or ask your local dealer*—for a copy of the *WOMEN'S RADIO INSTITUTE* folder with broadcast time-table. (*Not yet on Pacific Coast.*)

"MARINE" — A beautiful Karnean pattern in Verde Antico marbled effect. *Sealex Linoleum 3211.*



"LEONARDO"—This design was inspired by the works of Leonardo Da Vinci, great artist of the Renaissance period. Note the individuality of coloring achieved by a skillful blending of sky blues, sunset pinks, grays and cream yellows. *Sealex Linoleum 3225.*



"SEAROCK"—Black and Sienna Karnean marbled design. *Sealex Linoleum 3037.*

CONGOLEUM-NAIRN INC., *Gen'l Office:* KEARNY, N. J. New York Philadelphia Chicago San Francisco Pittsburgh Boston Detroit Minneapolis Kansas City Dallas New Orleans Atlanta

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Stain-proof – Spot-proof – Easily cleaned
LINOLEUMS

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PRIVACY

Only Dubois can give seclusion immediately . . . artistically . . . and serve for years and years without upkeep expense.

WITH over 4 million more cars on the road in 1930, the average American homeowner faces a real problem.

How can he escape the world that rushes by as he sits with his family on the lawn or works in the garden?

If you would find the one conclusive answer to this acute need of modern day living, erect Dubois!

It will safeguard your children at play, exclude picnickers and other trespassers, protect your flowers and shrubs, and shut out the blinding night glare of motor headlights. The quaint, rustic beauty of Dubois will increase the value of your property.

Dubois is also highly effective in hiding unsightly views, screening laundry yards, etc. It requires no paint or upkeep expense, is easy to erect, and lasts a lifetime.

Made complete, by hand, in France of live-cut *seasoned* French chestnut and rustproof Copperweld wire. Comes ready to erect in sections 5 feet wide, and in five heights: 3'10", 4'11", 6'6", 8' and 10'. Write today for beautiful illustrated catalog with full description and prices.

SEE THE DUBOIS EXHIBITS AT LEADING FLOWER SHOWS:

New York, March 17-22

Chicago March 28—April 5

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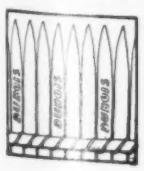
Why it Pays to ask for Dubois *by NAME*

Genuine Dubois lasts many years and does not warp or bend, because the saplings are aged for three years, with typical French thoroughness, and scientifically heat treated before being used. The first installation of this famous fence, made in Westbury, Long Island, in 1901, is still in excellent condition. The test of time proves the wisdom of seeing that the fence you buy is actually branded *DUBOIS*.



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DUBOIS★ Woven Wood Fence

MADE IN FRANCE

***DUBOIS* FENCE & GARDEN CO., Inc.** 101 PARK AVE., NEW YORK, N. Y. *Phone: Lexington 2404*

Please send me your free illustrated catalog with prices of Dubois. I am interested in using it for: 1-C

☐ boundary ☐ laundry yard
☐ screening ☐ garden

Approximate number of feet needed..... NAME.....

ADDRESS.....

"PRESIDENT HOOVER"

NOVELTY ROSES FOR 1930

"PRESIDENT HOOVER"

This is a glorious Rose, wonderfully free in the easy manner in which it grows and charming in its color arrangement which is a splendid combination of cerise pink, flame, scarlet and yellow, and this combination gives the most dazzling color effect ever seen in any Rose.

The exquisite fragrance of this Rose is one of its strongest points, and we never had a Rose to compare with it in fragrance. It is wonderfully free flowering and everyone will be delighted with its habit of growth.

"MRS. HERBERT HOOVER"

The most vivid glowing red Rose that we have ever introduced. While the individual flowers are smaller than many of the red varieties grown today, still it produces quantities of flowers at all times. It is exquisitely fragrant and with its beautiful clean foliage it is an acquisition to any Rose garden.

"CLIMBING ROSE"

"Chaplin's Pink Climber"

Unquestionably the most important introduction in Climbing Roses. It is a cross between Paul's Scarlet Climber and American Pillar, of strong, vigorous growth, producing its large flowers, similar in size and form to Paul's Scarlet Climber, very profusely in strong trusses of from 8 to 12 flowers each, but in color it is a rich lively pink.

SEND FOR OUR 1930 CATALOGUE

PRICE—$2.50 each; $25.00 per dozen.

Totty's

MADISON, NEW JERSEY

In Staging A Flower Show

(*Continued from page* 100)

was used in financing a worthy civic project—the planting of trees along the levee bank.

LABELING

It is very important, too, that all the exhibits be plainly and properly labeled. The names of the exhibitors must not appear before the judging is done, and yet afterward the people like to know to whom the exhibits belong. In the bulletin mentioned a label is described which does just this trick. It is square with a hole punched near one margin for an attaching string. Two horizontal ruled lines divide the face of the label into three parts—top one for Class Number, Subclass and Exhibitor's Number; center, Name of Variety; bottom, Exhibitor's Name.

This label is folded so that the exhibitor's name is inside and pasted shut, with all other information showing. If it is too expensive to have the flaps mucilaged, then a small sticker can be used to hold down the flap. After the judging is finished this edge is slit open and the name is with the rest of the information. At the desk or table where entries are made, those in charge may have a book in which they put each entrant's name and address and in which they give him a number. This number appears on all his entries. In classes where the same entrant is allowed only one ribbon, it is easy for the judges to adhere to the rule without knowing the name of the exhibitor, merely by watching the numbers. This label has been used now by several clubs in different sections of the country with great success.

The judges almost always have a difficult task, but it can be made simpler for them. In the first place the judges for the classified divisions should never be the same as the ones for the artistic arrangements. The classified divisions require professional knowledge of the particular flowers exhibited and not necessarily any artistic sense, while in the arrangements almost the reverse is true. Even if the show is small, make this division of labor. If very large, as in an autumn show, then there should be judges who are experts in each variety of flowers shown, such as Zinnias, Gladioli, Roses and Dahlias, and still others for the mixed exhibits and artistic arrangements. If these judges are not overworked, they can give much better and fairer judgments. They should also be given some scale of points to use in judging. These can be decided upon by the committee in charge or some of the many published ones may be used. It is often well to have one of the committee in charge, who is thoroughly acquainted with all the regulations, accompany each judge, ready to answer any particular questions which may arise.

Three well planned show programs follow:

THE LITTLE GARDENS CLUB DAYTON, OHIO

EXHIBIT OF DAFFODILS

Class I—Best collection of unnamed Daffodils. This may include all members of Narcissus family. One specimen of each variety.

Class II—Best collection of named Daffodils. This may include all members of Narcissus family. One specimen of each variety; each marked with its name.

Class III—Best three Yellow Trumpet Daffodils of one variety.

Class IV—Best three Yellow and White, or White Trumpet Daffodils of one variety.

Class V—Best three Incomparabilis Daffodils of one variety.

Class VI—Best three Leedsii Daffodils of one variety.

Class VII—Best three Barrii Daffodils of one variety.

Class VIII—Best three Poeticus Daffodils of one variety.

Class IX—Best three Poetaz Daffodils of one variety.

Class X—Best three Double Daffodils of one variety.

Class XI—Best three Hyacinths.
A—Named
B—Unnamed

Class XII—Best collection of named early Tulips. One of each variety; each marked with its name.

Class XIII—Best collection of unnamed early Tulips. One of each variety.

Class XIV—Best three early Tulips, of one variety.

Class XV—Best collection of early spring garden bulbs.

Class XVI—Artistic arrangement of Daffodils:
A—Baskets
B—Vases or bowls

Class XVII—Artistic arrangement of Daffodils, combined with other spring garden flowers or shrubs:
A—Baskets
B—Vases or bowls

Class XVIII—Artistic arrangement of any other spring flowering bulbs alone or combined with other flowers.

Class XIX—Artistic arrangement of any early spring flowers.

Class XX—Artistic arrangement of spring flowering shrubs:
A—Baskets
B—Vases or bowls

KEY TO DAFFODILS

Trumpet Daffodil—Trumpet or crown as long as, or longer than, the perianth segment.

Incomparabilis Daffodil—Cup or crown from one-third to almost as long as perianth segment.

Barrii Daffodil—Cup or crown less than one-third the length of perianth segment.

Leedsii Daffodil—Comprising all chalice, or short-cupped varieties, having white or nearly white perianth or petals, and pale yellow or white cup.

Poetaz Daffodil—Having several short-cupped flowers to a stem.

Poeticus Daffodil—Snowy white perianth segments or petals and a flattened eye or crown, yellow or lemon, edged more or less with red.

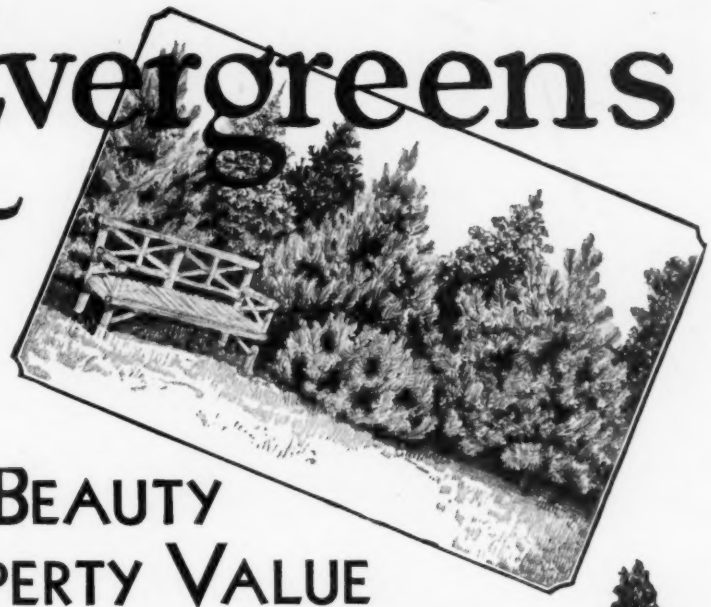
Double Daffodil—All double flowering Daffodils, regardless of their individual classification.

RULES COVERING EXHIBITS

Exhibits must positively be in position by eleven o'clock on the first day of the show.

(*Continued on page* 164)

Plant Hill's Evergreens for

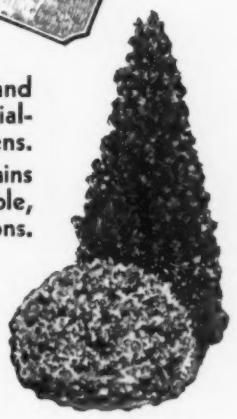


PERMANENT BEAUTY —INCREASED PROPERTY VALUE

YOU see them everywhere—Hill's Evergreens. They add picturesqueness to foundation plantings. Colorful beauty to gardens. And as backgrounds or hedges bring a charm unlike that of any other growing thing. And the passing of the years will not dim their beauty.

Why not you, too, plant evergreens? The few dollars invested will bring you a rich return. And look to Hill's for your needs. In our 600-acre nursery are untold varieties—all shapes, colors and sizes. For three-quarters of a century we have specialized in Evergreen growing—nothing but Evergreens.

Our 1930 catalog is now ready for mailing. It contains practical planting suggestions—a wealth of valuable, usable information, with 50 natural-color illustrations. Send for it today, enclosing 25c (coins or stamps), which will be refunded on receipt of first order.



HILL'S EVERGREENS

D. HILL NURSERY CO., Box 301, Dundee, Illinois

EVERGREEN SPECIALISTS LARGEST GROWERS IN AMERICA

MEETS EVERY SPRINKLING NEED

for LAWNS, FLOWERS and GARDENS

The Heavy Duty DOUBLE ROTARY

(Shown below). A leader for over ten years as the ideal sprinkler for golf courses, large estates, parks, cemeteries, etc. Self-operating on the famous Double Rotary principle. Same high grade construction as Junior model—and sold under the same 10-day trial basis and money-back guarantee.

DEALERS: Write for Special Sales Proposition.

Decide now to increase the beauty of your lawn, shrubbery, flowers and garden this year. Keep them fresh, green—ever-growing, ever-blooming—with the Double Rotary Junior Sprinkler.

This all-purpose sprinkler gives you—right at your finger tips—a mist-like spray for seeded flower beds; rain-like drops for lawns and flowers; or a drenching shower for shrubs and gardens. Easily regulated to sprinkle in a circle or on a straight line—to operate as a stationary sprinkler or to rotate. Covers area from 15 to 80 feet in diameter, according to pressure. Finest construction. Bronze and steel gears operate in bath of oil.

Guaranteed—Order now. Try 10 days. If not satisfactory in every way, return sprinkler and money will be refunded. Descriptive literature on request.

DOUBLE ROTARY SPRINKLER CO.

100 Coca Cola Bldg. Kansas City, Mo.

DOUBLE ROTARY TRADE MARK REGISTERED JUNIOR SPRINKLER

A MILBRADT POWER LAWN MOWER

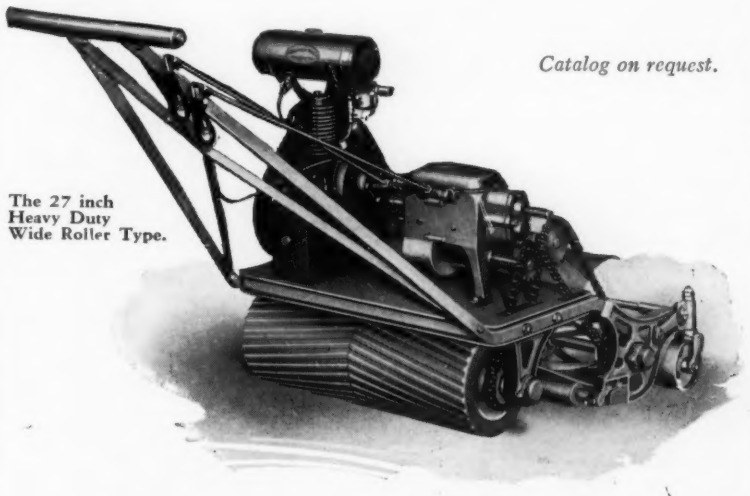
for every kind of lawn

MILBRADT Power Lawn Mowers are made for any kind of lawn. There are four types to choose from.

They do a beautiful job of cutting and give the lawn a gentle rolling too.

They will trim closely around trees, shrubbery and flower beds. Rigidly constructed and will last for years.

Catalog on request.



The 27 inch Heavy Duty Wide Roller Type.

MILBRADT MANUFACTURING COMPANY

Established 1895

2419 N. Tenth St. St. Louis, Mo.

a garden of

famous California flowers

for

10¢

CALIFORNIA'S oldest horticulturists now make this special introductory offer to you:—5 packages of Famous California Flowers for ten cents—Zinnia, Aster, California Poppy, Candytuft, and Painted Daisy—all typically Californian...noted for their rare beauty . . . specially grown on Germain's great California growing grounds. They are offered to you at this ridiculously low price simply because we want you to try them in your garden—that you may become acquainted with Germain's famous Quality seeds—used in California gardens for over 58 years.

With the 5 packages of seed, we will send you our new, beautiful Catalog, "California Gardening," containing 112 pages, with 6 in full color. In it are offered hundreds of varieties of choice seeds, plants, bulbs, etc. . . . along with complete instructions for planting and caring for the garden.

If you choose, we will send you the catalog alone, absolutely without cost.

Send the Coupon today—before you turn the page! Receive this whole Garden of Famous California flowers, and our beautiful new 1930 Catalog—for only 10c either stamps or coin.

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SIXTH AND MAIN, LOS ANGELES, CALIF.

Growers of Seeds, Plants, Bulbs, and Horticultural specialties since 1871.

SEND THIS COUPON NOW!

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Los Angeles, California.

Gentlemen: Enclosed find 10 cents. Please send me the 5 packets of Famous California Flowers, and your new beautiful catalog—"California Gardening."

☐ Check here if you wish only "California Gardening" absolutely free.

Name.....

Address.....

.....

In Staging A Flower Show

(*Continued from page* 162)

A collection must contain more than four varieties.

In class III to XVII, excepting class XIII, exhibits bearing names will receive the award over unnamed entries, in case of close competition.

Receptacles will be furnished by the Club, except in classes for artistic arrangement.

All flowers must be grown by exhibitors, out-of-doors.

Exhibitors limited to one prize in each class.

Exhibitors may not disturb or remove exhibit without the consent of the committee.

THE LITTLE GARDENS CLUB DAYTON, OHIO

EXHIBIT OF TULIPS

Class I—Best collection of unnamed Darwin Tulips. One of each variety.

Class II—Best collection of named Darwin Tulips. One of each variety, each marked with its name.

Class III—Best three Darwin Tulips of one variety.

Class IV—Best collection of unnamed Breeder Tulips. One of each variety.

Class V—Best collection of named Breeder Tulips. One of each variety, each marked with its name.

Class IV—Best three Darwin Tulips of one variety.

Class VII—Best collection of unnamed Cottage or May-flowering Tulips. One of each variety.

Class VIII—Best collection of named Cottage or May-flowering Tulips. One of each variety, each marked with its name.

Class IX—Best three Cottage or May-flowering Tulips of one variety.

Class X—Best collection of Double Tulips. One of each variety.

Class XI—Best three Double Tulips of one variety.

Class XII—Best collection of Rembrandt Tulips. One of each variety.

Class XIII—Best three Rembrandt Tulips of one variety.

Class XIV—Best collection of Parrot Tulips. One of each variety.

Class XV—Best three Parrot Tulips of one variety.

Class XVI—Best showing of Lilies-of-the-valley.

Class XVII—Best showing of early Iris.

Class XVIII—Best showing of any other May flowering bulbs.

Class XIX—Artistic arrangement of Tulips in:

A—Baskets
B—Vases or bowls

Class XX—Artistic arrangement of Tulips, combined with other spring garden flowers in:

A—Baskets
B—Vases or bowls

Class XXI—Artistic arrangement of any other spring flowering bulbs alone, or combined with other flowers, in:

A—Baskets
B—Vases or bowls

Class XXII—Artistic arrangement of any other spring flowers.

Class XXIII—Artistic arrangement of flowering shrubs in:

A—Baskets
B—Vases or bowls

Class XXIV—Triumph Tulips.

RULES COVERING EXHIBITS

Exhibits must be in position by eleven o'clock the first day.

A collection must contain more than four varieties.

In close competition, exhibits bearing names will receive the award over unnamed entries. This does not apply to classes I, IV, VII.

Receptacles will be furnished by the Club, except in classes for artistic arrangement.

All flowers must be grown by exhibitors, out-of-doors.

Exhibitors limited to one prize in each class.

Exhibitors may not disturb or remove exhibits without consent of committee.

THE GARDEN CLUB OF DAYTON

1—All flowers for competition must have been grown out-of-doors by exhibitor.

2—All exhibits must be entered before eleven o'clock on the morning of the opening day.

3—Flowers in all entries save that of Artistic Arrangement must be shown in vases furnished by the Committee.

4—Only one entry of the same variety may be made in any one class.

5—The term "collection" means only one of each variety and does not signify only the greatest number, but quality, variety, rarity, effectiveness will also be considered.

6—In classes covering Artistic Arrangement, exhibitors will furnish own containers.

7—Exhibitors must state to what class each entry belongs, but the Committee has full power to change incorrect classification.

8—All entries in classes of Artistic Arrangement must be entered and arranged by exhibitors.

9—Entries of professional and amateur growers will be judged separately. The above rules apply only to amateurs.

IRIS

Class 1—Collection of named Bearded Iris.

Class 2—Collection of Non-bearded and Bulbous Iris. (Including Spanish, English, Siberian and Water Iris)

Class 3—Collection of Bearded Iris not named.

Class 4—Collection of Bulbous Iris not named.

Class 5—Three stems of one variety of named Iris.

Class 6—Specimen of named Iris.

Class 7—Vase of 10 stems of one variety of Iris.

Class 8—Artistic Arrangement of Iris alone in basket.

Class 9—Artistic Arrangement of Iris alone in container other than a basket.

PEONIES

Class 10—Collection of named Double Peonies.

Class 11—Collection of Single Peonies, not named.

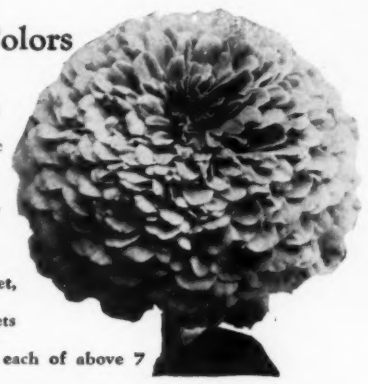
Class 12—Collection of Double

(*Continued on page* 166)

Dreer's Special Strain Giant ZINNIAS

Here is a giant race of this ever popular "Youth-and-Old-Age". The plants develop into husky, 3 foot specimens. The semi-globular flowers, often measure 5 to 6 inches across. Of exceptionally sturdy constitution, the plants bloom profusely all Summer long until late Fall.

Seven Distinct Colors *as follows:—*



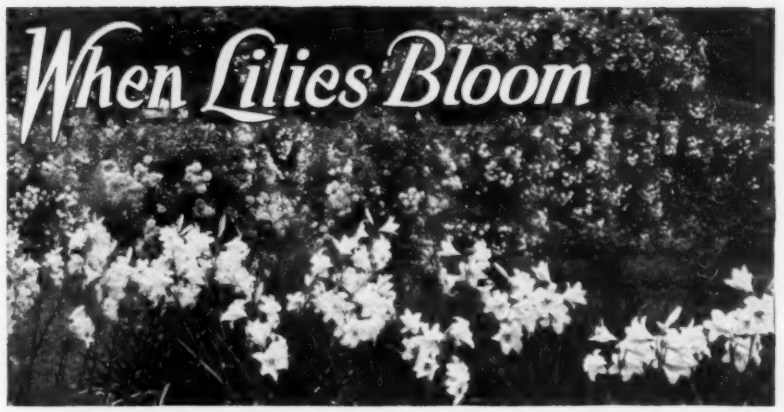
Orange King, rich, golden orange
Rose Queen, a deep rose
Purity, beautiful white
Miss Willmott, soft pink
Lemon Queen, canary yellow
Crimson, showy scarlet
Salmon, rich salmon-rose

Any of above, 15c a packet, 50c per ¼ oz.
4519 Collection of 7 packets (one each of above) 75c
4518, Collection of ¼ oz. each of above 7 colors $2.50.

The Dreer Garden Book Free

Whatever your garden hopes or dreams, here is a reliable guiding hand to their realization. 224 pages of sane advice and safe offers of the best in Seeds, Bulbs, Plants, Roses, Dahlias, Gladioli, etc, etc.—it's a book hard to put down, once you get into it. Write for it today, mentioning this publication.

HENRY A. DREER
1306 Spring Garden Street
Philadelphia, Pa.



Gardens where lilies bloom never lose their charm. A few of these "aristocrats of the garden" give that distinction so much sought in the perennial garden.

Our thirty-five years experience in the growing of Hardy Lilies ensures your success. Five pages of our 1930 Garden Book are devoted to Hardy Lilies and we give a special three-page sheet of cultural directions with each order. Here is a selection of

Lilies Suitable for Spring Planting

that will produce flowers from June until Autumn:

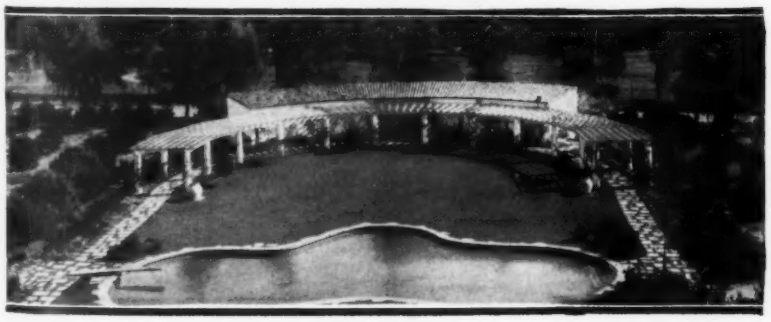
$14 COMPLETE COLLECTION *(Six of each)* **HALF COLLECTION $7.50** *(Three of each)*

EARLY	MEDIUM	LATER FLOWERING
L. hansoni —Orange	*L. regale* —Pink and White	*L. batemanniae* —Apricot
L. elegans —Red	*L. longiflorum* —White	*L. auratum* —Gold-banded
L. tenuifolium —Coral	*L. superbum* —Orange yellow	*L. speciosum* —Pink

OUR Garden Book abounds with many similar offers of Ferns and Wild-flowers, besides a large assortment of the choicest Hardy Perennials. Now is the time to order for Spring planting. Send for our Garden Book. It is FREE. Let it aid you in your selection.

F. H. HORSFORD, CHARLOTTE, VERMONT

COOL GARDENS GREEN IN GENTLE RAIN



WHAT can be more inviting than a charming garden, with velvety lawns, luxuriant shrubbery and beautiful flowers fresh and green when bathed and cooled by gentle rain?

BROOKS Automatic Sprinkling System from the day it is installed makes it possible to keep the garden fresh and green without thought of drought or frost —for it is a permanent irrigation system, perfected after many years of scientific research and experiments.

The BROOKS System covers every nook and corner of the garden with a mist as fine as the morning dew, and operates entirely automatically whether on the large estate or the small garden, at home or away.

BROOKS System is efficient, dependable, economical and positively operates automatically. Easily and quickly installed—the patented disappearing head protects the mower and does not mar the surface of the lawn.

Write for booklet showing application of your own problems.

Dealers write for the BROOKS sales proposition. Some good territory is now available.

JOHN A. **BROOKS** INC.

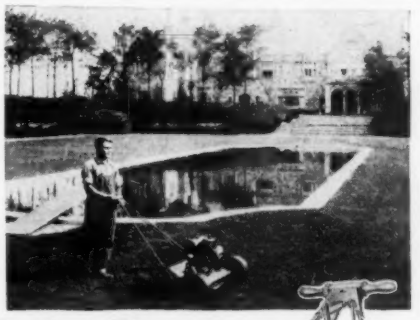
"Rain's only rival!"

IRRIGATION SPECIALISTS

1452 SECOND BLVD., ~ DETROIT, MICHIGAN

"The Smart Way" TO KEEP A LAWN BEAUTIFUL

JACOBSEN Power Lawn Mowers are responsible for a lawn beauty unknown a few years ago. They save time and labor for city parks, cemeteries, schools, institutions, golf courses, and thousands of estates. Enclosed gear drive, auto-type differential, separate clutch control of traction and cutting units, and self-sharpening reel give the Jacobsen a distinct advantage in performance recognized both in America and Europe.



JACOBSEN 4-Acre Power Mower with Sickle-Bar Clipping Attachment

The Sickle-Bar Clipping Attachment for the 4-Acre Mower gets dandelions, buckhorn, plantain and other weeds that are beyond the scope of the cutting reel.

The Jacobsen line includes the 4-Acre Model with 24-inch reel, a 19-inch Junior Power Mower, a 24-inch roller-driven estate mower, and a power putting-green mower, and important attachments developed during a period of ten years.

1-30

WRITE... for free book, "Lawns Beautiful." Demonstrations on your own grounds without obligation.

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Dept. H.G. Racine, Wisconsin
New York Office: 507 W. 56th St.

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Interesting problem in surgery on a giant white oak by Bartlett Dendricians
Estate of Van S. Merle-Smith, Oyster Bay, L. I.
Cavity filled with flexible Nuwud; healing stimulated by Bartlett Heal Collar.

The Bartlett Way

While it is natural to think of the tree surgeon's work in terms of picturesque cases such as this, fully ninety per cent of Bartlett practice centers on the promotion and furtherance of continued health for our clients' trees. Fore-sighted estate owners more and more appreciate the value of a regular conservation program as the really economical and far more satisfactory way.

Feeding, pruning, a regular program of protective spraying do wonders towards maintaining and increasing the health and beauty and all-around enjoyment of sound, healthy trees.

And how satisfactory it is to know that when this program is carried out by Bartlett Associates, it is guided and safeguarded in all its phases by the directing genius of Science. For consultation address Stamford, Connecticut, or branch office nearest you.

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In Staging A Flower Show

(*Continued from page* 164)

Peonies, not named.

Class 13—Three stems of one variety of named Double Peonies.

Class 14—Three stems of one variety of named Single Peonies.

Class 15—Specimen of named Double Peony.

Class 16—Specimen of named Single Peony.

Class 17—Vase of 10 blooms of one variety of Peony.

Class 18—Artistic Arrangement of Peonies alone in basket.

Class 19—Artistic Arrangement of Peonies alone in container other than a basket.

PERENNIALS

Class 20—A collection of perennials may include bulbs exclusive of Iris and Peonies.

ROSES

Class 21—Three stems of one variety of any Rose.

AQUILEGIA (Columbine)

Class 22—A single specimen of Columbine or a collection.

SHRUBS

Class 23—Artistic Arrangement of shrubbery alone, in a basket. Artistic Arrangement of shrubbery alone in container other than basket. Flowering or Foliage.

DINNER OR LUNCHEON TABLES
RULES

Round or oblong tables will be furnished by committee.
No flat silver allowed on table.
Flowers and fruit may be used but not fruit alone.

ECONOMY LUNCHEON AND ECONOMY DINNER TABLES

Judging Points	
Harmony of whole table	40
Completeness of table	20
Artistic arrangement of flowers	20
Cost	20
	100

FLOWER PICTURES

Flower pictures shown in some of the largest flower shows in America will be open to individual exhibitors.

A SHADOW BOX

Will be built by each of the Garden Clubs in Dayton.

NO RESTRICTION TABLES

Judging Points	
Harmony of table	50
Artistic arrangement of flowers	30
Completeness of table	20
	100

ECONOMY LUNCHEON

Table set for first course for four persons having following articles: cloth, runner or doilies, plates, glasses, bread and butter plates, peppers and salts, napkins, two compotes with candy or fruit, flower bowl or holder and flowers. Each article on the table must be itemized and priced.

Disbarred—Any table not having all articles listed above.

FORMAL LUNCHEON

Table set for six or eight—candlesticks and candles may be used—no restriction on cost.

ECONOMY DINNER

Table set for first course for six persons, having the following items: lace, linen or damask cloth, runners or doilies, plates, glasses, peppers and salts, napkins, candlesticks and candles, two compotes with candy or fruit, flower bowl or holder with flowers.

Each article must be itemized and priced.

Disbarred—Any table not having all articles listed above. Maximum price $30.

FORMAL DINNER

Table set for six or eight persons. No restriction on cost.

Size of tables may be obtained through The Elder & Johnston furniture department (in whose store the show was held).

Flowers used for tables need not be grown by exhibitors.

It may seem to the new garden enthusiasts who read this article that exhibitions are nothing but work. But they are really great fun and are of such great value—first of all to the committee in charge, then to the club which sponsors them, to those who bring exhibits and to the public who come to see them—that they have become one of the best means of spreading gardening knowledge and love.

How To Make Shades

(*Continued from page* 128)

terial accordion pleated by machine as this is never done evenly and will not go on the frame nicely. Adjust the pleated material around the shade. This part must be done exactly or the shade will look amateurish. Punch a hole, with a conductor's punch, through each pleat, a half inch below the top, and run a silk cord through the holes. Tie the cord at one side, knot the ends and fray them out into a tassel. Be sure to punch the holes before sewing to the frame. The cord will help adjust the fullness evenly. Glazed chintz, plain or figured, book linen, wall paper or taffeta may be used for pleated shades. If wall paper is used, the shade is improved by glazing first with thin shellac. This deepens the color and stiffens the paper.

For Quick Growing Shade

Plant the New

CHINESE ELM

Beautiful
Fast Growing
Hardy

4 year old tree, 5 feet high when planted. Now 20 feet high with 18 foot spread.

Plant this spring and enjoy luxurious shade in a few short years. **The 4 year old tree illustrated was 5 feet high when planted. Now it measures 20 feet in height with 18 foot spread—a real shade tree.**

The U. S. Dept. of Agriculture says: *"The Chinese Elm is very hardy and has proved valuable under a greater variety of climatic soil conditions than any tree yet introduced."* Thriving everywhere from bleak Saskatchewan to torrid Arizona it is one of the first trees to leaf out in spring and the last to shed its leaves in the fall. Remarkably free from plant diseases.

We can furnish a limited supply of these beautiful, fast growing, hardy Chinese Elms, ideal for quick shade, in excellent nursery grown stock. Place orders now for spring planting.

Write for our beautifully illustrated Catalogue describing with sizes and prices Chinese Elm, evergreens, shrubs, perennials, trees and plants of every variety for large and small gardens, homes and estates. Mailed free on request.

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"We furnish the home—outdoors"

The Storrs & Harrison Co's. 1930 Spring Catalog.

JUST off the press—the beautiful new catalog of America's Oldest and Largest Departmental Nursery. More illustrations in color than ever before—more new charts and diagrams to help you beautify your grounds—and the most complete listing of trees, shrubs, plants, seeds, etc., including uncommon varieties not usually found in the average Nursery catalog.

Illustrating and describing America's most complete assortments of

TREES · PLANTS
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The Outdoor Living Room and Rock Garden

Easy-to-follow instructions on how to plan and plant a modern Outdoor Living Room or Rock Garden. Whether you plan to landscape your entire place or merely set out some new plants, you need this catalog. Send for it.

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To the Contrary

ROCKERY PLANTS *Are Easy To Plant*

All our Rock Plants are at least two year field-grown, full rooted big clumps. We guarantee arrival in good condition, or cheerfully replace at our expense.

YOU don't necessarily have to plant or grow them among rocks. There's many a place in the hardy border where rock plants fit like no others do. If you have a low wall, there's a number of the creeping close-covering blooming kinds, that are a joy to grow on it.

If you have a notion to have the fun of having a rock garden of your own, then send for our catalog on Hardy Plants and Rock Plants. Along with it, we will send you our own fully illustrated book telling in a neighborly and practical way how to make one. *What* to make it with. And *where* to get the right makings. This booklet is charged at cost, 25 cents; which may be deducted from your remittance, or will be refunded on receipt of your order.

Reg. U.S. Pat. Off.

Wayside Gardens

E. H. Schultz, *Pres.* — MENTOR, OHIO — J. J. Grullemans, *Sec'y-Treas.*

Where the Cooper Power Mower is used, frequent and regular cutting of a lawn becomes a pleasure. With it you can easily maintain . . .

Golf Green Beauty for YOUR LAWN

Outstanding Cooper Features

Two-speed cutting reel which can be operated in reverse for sharpening; reel drive and traction drive independent of each other; disappearing traction lugs on roller; all-steel shock-proof frame; anti-friction and roller bearings throughout. Two sizes: 27 and 20 inches.

Cooper Power Mower equipped with a Briggs and Stratton gasoline motor propels itself easily over level stretches of lawn and up or down steep terraces. It can be operated with ease around trees, bushes or flower beds.

The Cooper Power Mower rolls the lawn with each cutting, its traction roller operating entirely independent of the blade reel. Grass catcher and riding sulky are extra. Write for complete information.

Cooper Manufacturing Company

502 South First Avenue

Marshalltown, Iowa, U. S. A.

"IT'S NOT A HOME UNTIL IT'S PLANTED"

What is the view **from your rear window?**

WHEN summer comes, will you look out upon a modern *Outdoor Living Room?* A place where trees in leafy splendor give welcome shade—where shrubs, with graceful foliage, shut out undesirable views—where smiling flowers beckon you out of doors?

Or will you see a picture from which you instinctively turn away—an unattractive "back yard"?

In the modern home, beauty does not stop at the window—it carries on into the garden beyond. By planning now you can enjoy an *Outdoor Living Room* this summer.

Plan it as you would a room within the house. Let the sod provide a velvety green carpet. Plant shrubs and evergreens to give privacy—trees for shade and perhaps fruit for your table. Add color and fragrance by the generous use of hardy flowers.

Do this and you have created an *Outdoor Living Room*—the distinguishing mark of the modern prosperous, happy home. A place that will yield countless hours of happiness for all the family.

Write or consult your nurseryman. Any nurseryman displaying the insignia that appears in the coupon at the bottom of this page, will gladly help you achieve beautiful grounds.

These Books Will Help You Beautify Your Grounds

—"How To Plant The Home Grounds," edited for home owners by E. H. ("Chinese") Wilson. Sent FREE.

— "How To Make An Outdoor Living Room" tells how to plan and plant one. Send 25c.

Plant this Spring!

TREES-SHRUBS & FLOWERS

NATIONAL HOME PLANTING BUREAU H.&G.-3-30
466 Union Bank Bldg., Davenport, Iowa
Gentlemen: Please send me booklets as checked below:
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NATIONAL HOME PLANTING BUREAU
Sponsored by the American Association of Nurserymen

The Gardener's Scrap Book

STRAWBERRY MULCHES. The well-managed Strawberry bed is always mulched with straw or some similar material after the ground freezes in the fall, in order to minimize winter damage to the plants' roots by heaving of the soil under the action of frost and sun. This is an important point in successful culture, but it may do as much harm as good unless the mulch is entirely removed by the time the frost is out in the spring. This early removal enables the plants to begin fresh growth normally, an activity which they begin early in the season.

NEW IMPLEMENTS. Those who are on the lookout for new types of garden tools that are really good from a practical standpoint will welcome two grass shears and a pruner which have recently been put on the market. Both the shears are self-sharpening and self-adjusting. One of them is an improved hand-grip type which minimizes effort and blister risk. The other, by an ingenious lever device which makes contact with the ground and operates the blades, is designed to do away with all stooping or kneeling on the part of the operator. It has a long wooden handle which permits one to stand upright and still do a thorough job. The pruner, though light, is so constructed that it will do heavy work. We will be glad to send the name of the manufacturer of these tools on request.

WILD VIOLETS. Many wildflowers show great improvement in size and quality when brought under cultivation where they will be freed from the competition of other plants which normally crowd them in their natural sites. One of the groups which are especially responsive to such improved conditions is the Wild Violets, some of which improve so under cultivation that they are hardly recognizable as the same plants which were so lowly in their native fields.

LAWN ROLLING. There are several definite reasons why a lawn should be well rolled soon after the last of the frost comes out in the spring. The improvement of appearance which follows such treatment is the one which most people think of first, and the ease of subsequent mowing is the second. But perhaps of greater importance than either of these is the fact that rolling firms the soil where the action of frost has loosened it from around the roots of the grass, causing the plants to grow better and form a denser turf early in the season. Even well-established lawns are distinctly benefited by spring rolling, while for those which have been made within a year or so the importance of such attention cannot be over-emphasized.

ANNUALS. However much of an enthusiast one may be on perennial flowers, one cannot escape the fact that some annuals are really indispensable. There are quite certain to develop gaps in the hardy border where plants have failed for one reason or another and cannot be replaced so as to be quickly and properly effective. The annuals do splendid service in such an emergency, to mention just one of their many advantages. Another and very important one is their ability to produce a great profusion and variety of blossoms within two or three months of the time seed is sown—in fact, a complete and elaborate garden can be made solely with them. Finally, there are the annuals which no real gardener would do without anyway, for the simple reason that no other plant group can produce their equal.

IRIS SOIL. In the spring, when flower-bed enrichment is in progress in thousands of gardens, it is well to remember that the German Iris is one plant which does not tolerate the presence of manure in the soil unless it is very old and thoroughly disintegrated. Ground bone is a far safer fertilizer to use on these plants, and it is entirely satisfactory in the results which it yields.

PAPER POTS. Young plants which have been grown in individual paper pots have a decided advantage over their less carefully cared for brothers. They are superior because their roots have had no competition in the vital search for food, but even more so on account of the fact that, when set out in the garden, they suffer no check in growth. In putting them in their permanent places, they are planted pots and all, thus eliminating any disturbance of their roots. The paper disintegrates under the influence of the soil and the elements, so that as the plants grow, the roots can extend through it without difficulty into the surrounding soil.

FOOD AND DRINK. It is a well-attested fact that liquid manure, applied at intervals of two or three weeks depending on the condition of the soil in the pots, is one of the safest and best stimulants for house plants. The very nature of its consistency makes it immediately available to the roots, and it contains valuable food in sufficient quantity to nourish the plants without forcing them unduly. The only objection to it is the difficulty of obtaining the fresh material out of which to make it.

Even this obstacle can be quite successfully overcome, though, by the substitution of dried cow or sheep manure, obtainable at the larger garden supply stores. If a quart of this material is put in a sack, soaked in a pail of water for an hour or so and then squeezed out, it will give you a liquid manure which will work wonders with under-nourished plants.

PLANTING BOGS. As we find it on most suburban and country places, the natural bog is seldom anything but a tangle of rank growths which have little or no decorative value, especially when they are all jumbled together. To see such an area is to despair of ever making it attractive, unless one goes to the expense of having the low ground filled in with good soil on which a regular garden can be established.

As a matter of fact, though, it is no herculean task to convert the average

(*Continued on page* 174)

A Garden Full of Gladioli

The Most Popular of All Summer-Flowering Bulbous Plants

For a number of years we have been offering a collection of 50 Gladioli Bulbs and have sold millions of them, receiving numerous testimonials as to their merits. This year we are also offering a choice collection of named varieties for those who wish to plan their garden according to a color scheme. All bulbs produced under expert supervision on our own Farms.

Special Collection No. 1

For **Two Dollars** we will send **50 Bulbs** of our **Grand Prize Mixture**, which covers every conceivable shade in the Gladiolus kingdom.

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For **Five Dollars** we will send **10 Bulbs each of 10 choice named varieties**, separately labeled, (100 Bulbs in all) of the following:

America, *Lavender-pink;* **Crimson Glow**, *Deep brilliant crimson;* **Halley**, *Salmon-pink;* **Herada**, *Pure mauve;* **Mrs. Francis King**, *Vermilion;* **Mrs. Frank Pendleton**, *Deep salmon;* **Mrs. Dr. Norton**, *Cream and pink;* **Panama**, *Rose-pink;* **Peace**, *Splendid white;* **Schwaben**, *Canary-yellow.*

Simple cultural directions in each package.

Mail your order with check, Money Order, Cash or Stamps, mentioning this advertisement, and Bulbs will be sent prepaid to your home anywhere in the United States

Our 1930 Spring Seed Annual sent on request.

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The Easy Way to Beautiful Plantings

"THE Easy Way to Beautiful Plantings"—a remarkable 40-page book—shows how simple it is to give any home a handsome setting. Simple illustrations, like those above, help you to select and arrange foundation plantings, corner groups, borders, hedges and screens; to plan a rose garden, a rock garden, a trellis—to embellish any part of your grounds with rich and graceful plantings.

This book marks the fortieth anniversary of Barnes Bros. Nursery, with whom *quality* and *integrity* are a tradition. Send for it *now*. Soon the time will be here for making your selections. Nowhere else will you find such authoritative guidance presented in such a simple, concise, helpful way. It's *free* upon request.

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Hardy Evergreen and Deciduous Azaleas

We grow a very complete collection of these attractive garden decorative plants. They should be used freely in groups with or without other Broadleaved Evergreens. They are most attractive for Rock Gardens and are listed and described in our Evergreen Catalog.

ROSES—*Spring Planting*

Several hundred thousand, two-year-old, low-budded, field-grown plants, in several hundred varieties, are ready for shipment at the proper season. Many are new and rare; among them are **Mrs. G. A. Van Rossem, Lady Margaret Stewart, President Herbert Hoover, Everest** the largest white rose, and the well known **Etoile de Hollande** in the Hybrid Teas group. **Thelma,** one of the new dainty Pink Climbers, and many others. Also the wonderful Hybrid Perpetual **Arrillega.**

ROSES by Bobbink & Atkins

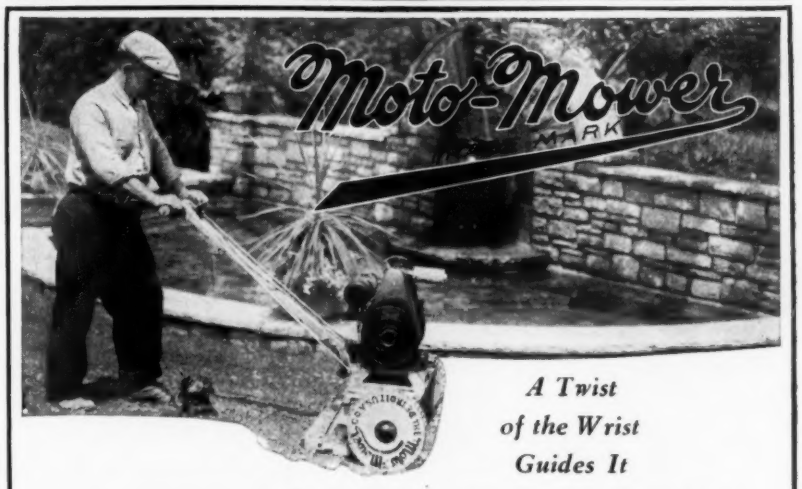
The 1930 edition is replete with up-to-date varieties—it is more than a Catalogue, it is a reference and guide for American Rose Amateurs and Growers; it presents late introductions which offer new surprises, and includes many favorites of olden days. Many are illustrated in color; correct descriptions are given with comments on their merits and demerits; cultivation instructions are simplified; all are classified and arranged to make ordering easy. Pen and ink sketches show planting steps and how to secure the most perfect flowers. A copy will be mailed on request to those who intend to plant Roses.

OUR SPECIALTIES Lilacs, Azalea Mollis and Pontica, Chinese Magnolias, Cotoneasters, Japanese Maples and Weeping Flowering Cherries, Blue Spruce, Grafted Koster and Moerheimi varieties, Red Dogwood. We shall be glad to give you prices.

In your request for Catalogue, it is important to state definitely what you intend to plant. You will confer a favor upon us by mentioning this magazine when writing.

BOBBINK & ATKINS

Nurserymen and Florists **Rutherford, New Jersey**



A Twist of the Wrist Guides It

BETTER AND BETTER RESULTS

EACH year brings better results from the Moto-Mower, for the very good reason that the Moto-Mower grows better and better mechanically. This year many noteworthy improvements are incorporated in the three sizes, or models, in the Moto-Mower line.

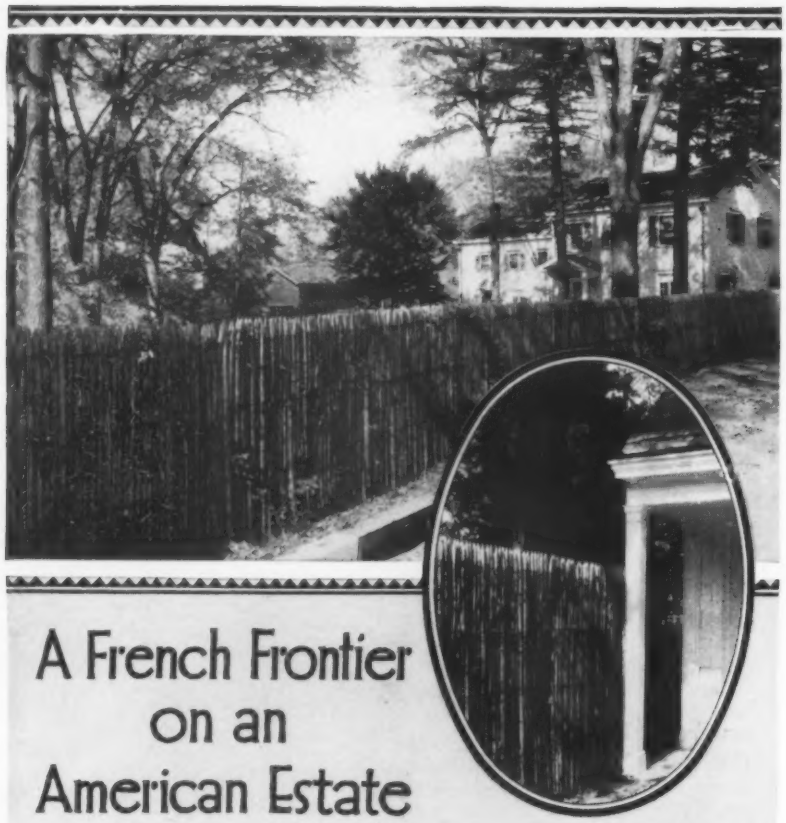
The Detroit Model this year has a new reel throw-out clutch which releases the cutting reel, so that the cutting and traction units operate through separate clutches.

New frame construction permits complete removal of the reel almost instantly—known as "drop-out" reel.

A weed clipper can be obtained for this model at small extra cost. Obtain complete information on all Moto-Mower Models by asking for our new 1930 catalog.

THE MOTO-MOWER COMPANY

3247 E. Woodbridge Street **Detroit, Michigan**



A French Frontier on an American Estate

It suggests an etching...this picture of peace and beauty. And its charm lies not only in the utter simplicity of its colonial architecture but in the added artistry of the touch of the old world...its woven wood fence.

French Provincial it is called. Its name brings to mind its inspiration...sturdy...protective...graceful. From the provinces of southern France where thrift and decorative qualities are anticipated equally.

Today, bordering the American estate, the French Provincial Woven Wood Fence serves many purposes. It screens its enclosure from gaze and intrusion. It softens the glare from the highway and it presents to the outside world an effect both distinctive and distinguished.

Only live young chestnuts are used to make its lasting palings. Copperweld rust-proof wire is used to weave them together and a firm stripping across the back insures them against the wear of time and the elements. The natural wood requires no painting. Comes in four heights 6'6", 4'11", 3'10", 18", in *full* five foot sections ready to erect.

An interesting story "Fence and Defence" which includes, as well, information about other Reeveshire products will be sent without obligation, on request.

French Provincial Woven Wood Fence

Pat. Appl. for

A Reeveshire Product

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Please send me "Fence and Defence" without cost.

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Gardening Guide

(*Continued from page* 107)

SPRING BLOOMING

EVER-GREEN SHRUBS	DECIDUOUS SHRUBS & TREES	VINES	PEREN-NIALS	ANNUALS	BULBS
Daphne cneorum	Azalea (various)	PEREN-NIAL	Alyssum	STARTED PLANTS	Tulips
Shortia	*Daphne mezereum*	Honeysuckle	Arabis	Pansies	Narcissus
Andromeda	Starry Magnolia	Wisteria	Aubrietia	English Daisies	Hyacinth
Rhododendron (Catawba & Carolina)	Jap. Quince	Jasminum	Dicentra	Alyssum	Crocus
Drooping Leucothoe	Redbud (*Cercis*)	Clematis (*C. montana*)	Iberis	Ageratum	Snowdrops
	Dogwood (various)	Akebia	Iris (*pumila* and others)	Petunias	Snowflakes
	Rose Hugonis	ANNUAL	*Phlox subulata*	Wallflowers	Grape Hyacinths
	Flowering Cherries, Plums, Almonds, Peaches, etc.	Cardinal Climber	Primulas	QUICKEST FROM SEED	Chionodoxa
	Forsythia and many others	Moonflower	Saxifrage	Clarkia	Scillas
		Morning-glory	Viola	*Phlox drummondi*	Fritillaria
		Japanese Hop		Poppies	
		Purple Bell (*Cobea*)		Leptosiphon	
		Hardy Pea (latest)		Nemophila	

SUMMER BLOOMING

Abelia	Jap. Dogwood	PEREN-NIAL	Anchusa	FROM SPRING SOWN SEED	Begonia, Tuberous
Rhododendron (hybrids)	Lilacs	Honeysuckle	Campanula	Cosmos (new extra-early type)	Agapanthus
Rhododendron maximum	Sweet Bay (*M. glauca*)	Clematis	Delphinium	Chrysanthemums	Tuberose
Honeysuckle (*Lon. pileata*)	Mockorange	Silver Fleece-vine, Silver Lace Vine (*Polygonum*)	Foxglove	Larkspur	Summer Hyacinth
Mahonia, Leatherleaf	Smoketree	Silvervine (*Actinidia*)	Geum	Candytuft	Ismene
Inkberry	Sweetshrub	Trumpet-creeper, (*Bignonia*)	Iris, Jap.	Lupines	Tigridia
Heather (*Calluna*)	Rose (several)	Hardy Pea (*Lathyrus*)	Phlox	Lavatera	Tritoma (hybrids)
Heath (*Erica*)	Hydrangea (early varieties)	ANNUAL	Platycodon	Portulaca	Gladiolus
	Deutzia (Pride of Rochester)	Scarlet Runner	Scabiosa	Viscaria	Cannas
	Butterfly-bush				Hardy Lilies (early sorts)

FALL BLOOMING

Daphne	Hydrangea	PEREN-NIAL	Anemone, Jap.	Asters	Crocus (*speciosus*)
Abelia	Butterfly-bush	Honeysuckle	Aconitum (*fischeri*)	African Daisy	Canna
Heath (*Erica*)	Summer-sweet	Clematis	Asters	Cosmos	Dahlia
Menziesia	Rose-of-Sharon	Kudzu-bean	Chrysanthemums	Petunia	Gladiolus
BERRIES	Hardhack	Hardy Pea	Heleniums	Salvia	Montbretia
Holly	Waterer Spirea	Bittersweet	Boltonia	Marigold	Kafirlily (Mrs. Haggerty)
Mahonia	Chaste-tree	Euonymus	*Campanula carpatica*	Mignonette	Sternbergia (*lutea*)
Cotoneaster	Witchhazel	ANNUAL	Gaillardia	Zinnia	Oxalis
Barberry	*Lespedeza formosa*	Cardinal Climber	Plumago	Snapdragon	Hardy Lilies (late sorts)
Viburnum (Leather-leaf)		Morning-glory	Stokesia	Verbena	
Cowberry (*Vaccinium*)		Moonflower	Viola (Jersey Gem)	Heliotrope	
		Purple Bell			

RED & PINK

EVER-GREENS & TREES	SHRUBS	VINES	PEREN-NIALS	ANNUALS	BULBS
Rhododendron	Azaleas	ANNUAL	Anemone, Jap.	Balsam	Tulips
Mountain Laurel	Japan Quince	Cardinal Climber	Aquilegia	Gaillardia	Hyacinth
Lambkill Laurel	Hawthorn	Dolichos	Armeria	Clarkia	Narcissus (pink varieties)
Daphne	Deutzia, Dwarf (pink)	Scarlet Runner	Chelone	Crimson Flax	Fritillaria Bulbocodium
Abelia	Weigela (rose-colored)	Cypress Vine	Dianthus	Petunia	Lycoris
Dogwood, Pink	Spirea (crimson)	Morning-glory (Brazilian)	Dicentra	Phlox	Gladiolus
Redbud	Spirea Anthony Waterer	Moonflower	Geum	Poppies, (small types)	Dahlias
Flowering Cherry and others	Shrub-althea (*Hibiscus syriacus*)	PEREN-NIAL	Gaillardia	Scabiosa	Cannas
	Tamarix	*Clematis coccinea*	Hibiscus	Cosmos	Hardy Lilies (several)
		Bignonia	Peony	Scarlet Sage	
		Honeysuckle (Dutch)	Lychnis		

YELLOW

Arborvitæ (Vervane Golden)	Forsythia	ANNUAL	Achillea	Bartonia	Narcissus
Chinese A. (Column, Gold Spire)	Genista	Canary-bird Vine	Adonis	Calliopsis	Hyacinth
Sawara Cypress	Cornelian Cherry	Thunbergia	Anthemis	Calendula	Crocus
Goldtip Jap. Yew	*Azalea lutea*	PEREN-NIAL	Goldentuft (Alyssum)	Poppies (esp. Golden West)	Tigridia
Juniper Chinese "golden"	Kerria, Jap.	Jasmine (*nudiflorum*)	Doronicum	Marigold	Sternbergia *Ornithogalum aureum*
Laburnum	St. Johnswort	Honeysuckle	Coreopsis	Evening Primrose	Dahlias
Tuliptree	Witchhazel	Bittersweet (yellow-orange berries)	Helenium	Sweet-sultan	Gladiolus
	Rose, Hugonis		Evening Primrose	Snapdragon	Cannas
	Rose, Harrison's Yellow		Rudbeckia	Sunflower	Tritonias (Montbretias)
			Trollius		Hardy Lilies (several)

(*Continued on page* 172)

A Water Lily Pool *for every garden ~*

New beauty, gorgeous new colors and fascinating new interest may be added to your garden—and at surprisingly little cost—by the addition of a Water Lily Pool.

There is room in every garden, large or small for a Water Lily Pool or at least a simple tub garden. Marvelously beautiful effects can be achieved quickly and with little effort.

Complete Collection Popular-Size Pool

5 different colored Lilies; 35 Aquatic Plants; 2 pair Giant Goldfishes; 12 Calico Fishes; 22 Tadpoles and other Scavengers; 1 lb. Praefecta Water Lily Fertilizer.

All for $25

Ganges Trio of Water Lilies $4.50

Three Water Lilies of exotic splendor. Frank Trelease (dark crimson); Caerulea (rich blue); Chromatella (best yellow).

All three for $4.50

You Can Enjoy a Water Lily Garden This Summer

Water Lilies are the easiest of all flowers to grow. They require no weeding, hoeing or watering. The plants are inexpensive and their growth is rapid and certain.

Beautiful Catalog Free

It pictures and describes Water Lilies, Aquatic Plants, Ornamental Fishes, etc. Many illustrations in full colors. Tells how to build a pool inexpensively or plant a tub garden and gives full cultural directions. Write for it.

Collection of Giant Fishes

Pair each of Giant Goldfishes; Giant Comets; Giant Orioles; Giant Pearls. All eight for only $15.

Wm. Tricker Inc.

304 Brookside Avenue — *Water Lilies* — Saddle River New Jersey

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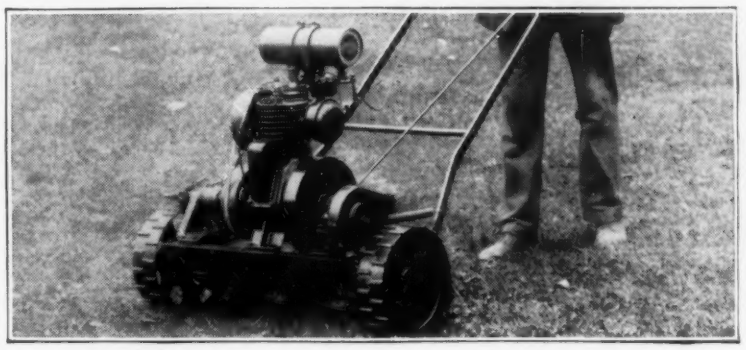

IDEAL Power Mowers mean smooth, close-shaven grass. The two Roller Type mowers cut a 22- and 30-inch swath. (They roll out bumps as they cut.) The Wheel Type (for heavy or hilly going) cuts a 20- and 25-inch swath.

The Ideal "25" illustrated above, cannot be surpassed for general cutting work. It is easily guided around obstructions and over walks. The power is controlled from the handles.

With it, fewer workmen are needed. Maintenance and running costs are low on these strong and simple motors. For private lawn and public park, school grounds and gardens, there is an Ideal that can insure better grass and lower cutting costs. Write for illustrated details.

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Say it with Flowers By Wire with Safety

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Order your KUNDERD *Gladioli* Early-this year

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THE KUNDERD Golden Anniversary Gladiolus Book celebrates Mr. Kunderd's fiftieth year in the gladiolus business. During the half century Kunderd has originated hundreds of varieties of gladioli and a number of distinct new types. Among them are the famous Ruffled Gladiolus, known and admired all over the world. The dainty fringed Laciniated type is another of Mr. Kunderd's originations.

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New Vegetables and Flowers for 1930

And now you may enjoy fresh from your garden the luscious flavor of the new Burpee "Gold Coin" Sweet Corn with an ear larger than either "The Burpee" or the world-famous "Burpee's Golden Bantam." Read about the new type "Ruffled" Sweet Peas, new "Gold Medal" Dahlias, new "Majestic" Giant-Flowering Snapdragons, and others.

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One packet each of Ponderosa Tomato, Big Boston Lettuce, Early Scarlet Turnip Radish, Invincible Asters, Brilliant Mixture Poppies, and Giant Waved Spencer Sweet Peas.

"Everything For the Garden"

is the title of our annual catalogue. For 1930, it is a book of 208 pages, with 16 beautiful color plates, 192 pages of rotogravure in various colors, and over one thousand illustrations direct from actual photographs of results from Henderson's seeds—the finest and most complete catalogue we ever issued.

PETER HENDERSON & CO.
35 CORTLANDT ST NEW YORK

Gardening Guide

(Continued from page 170)

EVER-GREENS & TREES	SHRUBS	VINES	PEREN-NIALS	ANNUALS	BULBS
WHITE					
Rhododendrons Andromeda Drooping Leucothoe Flowering Cherry, Crab and others Magnolia Dogwood, Flowering Silverbell Fringetree Honey Locust	*Azalea viscosa* Hawthorn Deutzia Spirea, various Mockorange Viburnum, various Shadbush Summer-sweet Rose (*multiflora* and others)	ANNUAL Dolichos (Daylight) Moonflower Cypressvine PEREN-NIAL Clematis (various) Actinidia Madeira-vine Jasmine (*officinale*) Wisteria Honeysuckle	Arabis Achillea Anemone, Jap. Boltonia Gypsophila Iris(Siberian) (Snow Queen) Phlox (Miss Lingard) Shasta Daisy Viola (White Jersey Gem) Yucca	Alyssum, Sweet Ageratum Candytuft Cosmos Gypsophila Stevia Lavatera Petunia(esp. Balcony White) Poppy (White Shirley, Verbena (Seafoam)	Tulip Narcissus Hyacinth Crocus Snowdrop Snowflake Ismene Summer Hyacinth Madonna Lily and others
BLUE SHADES					
FOLIAGE Koster Blue Spruce Blue Colorado Spruce Blue Mt. Atlas Cedar Silver Redcedar Dundee Redcedar Juniper Chinese Column Moss Cypress	Hydrangea Mint Shrub (*Elsholtzia*) False Indigo Bush Lilacs Buddleia Chastetree (*Vitex, esp. V. macrophylla*) Blue Rose-of-Sharon Blue Spirea (*Caryopteris incana*)	ANNUAL Morning-glory Moonflower Climbing Foxglove PEREN. Wisteria Lycium Akebia Kudzu Vine *Clematis jackmani*	Aconite Anchusa Aster Delphinium Globe Thistle Iris, various Platycodon Lobelia, var. Stokesia Plumbago Myosotis Viola, Jersey Gem	Blue Lace-flower Asperula Ageratum Lobelia Larkspur Lupine Petunia (new blue) Torrenia Phacelia Zinnia (giant purple) Heliotrope	Hyacinth Grape Hyacinth Scilla Chionodoxa *Allium azureum* Iris, bulbous *Fritillaria meleagris* Agapanthus (Blue Nile Lily) Gladiolus (several) Nymphæas Brodiæ
FOR SUNNY LOCATIONS					
Redcedar Arborvitæ (Most coniferous evergreens require full sunlight to develop properly) Laurel Holly	Tamarisk Hydrangea Redleaved Barberry Bayberry (Practically all shrubs, including most of those in list below will thrive, in full sun)	ANNUAL Canary-bird Vine Cardinal Climber Morning-glory Nasturtium PEREN. Hardy Pea Wisteria	Aster Butterfly-weed Daylily Goldenrod *Dianthus deltoides* Iris (various) *Phlox subulata* Gaillardia Sedum Yucca	Sweet Alyssum Begonia Balsam Iceplant *Begonia semperflorens* Arctotis Portulaca Cynoglossum Anagallis	(Almost all hardy bulbs, except a few of the hardy Lilies, thrive in full sun, but will tolerate moderate shade)

(Continued on page 173)

PETERSON'S ROSES

Recognized by successful Rose growers to be the best which can be produced by years of skilled and enthusiastic Rose culture.

"A LITTLE BOOK ABOUT ROSES"

New—Unusual—Beautiful . . . The annual delight of Rose Lovers

This volume honestly describes all the worthwhile varieties, pictures many of them in true color, and gives complete information upon cultural methods. It is truly a volume which reflects the quality of the business it represents.

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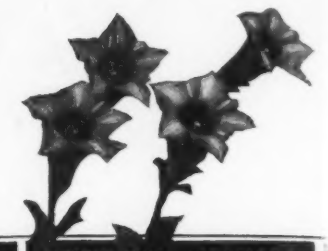

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★**Star Rose—Betty Uprichard. HT. Copper-red buds, opening to salmon, with the outside of the petals carmine. A light but spicy fragrance. Vigorous grower. Good for everybody's garden—and guaranteed to bloom. Price $1.00.**

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Name .....

Address .....

.....

Gardening Guide

(*Continued from page 172*)

EVER-GREENS & TREES	SHRUBS	VINES	PEREN-NIALS	ANNUALS	BULBS
FOR SHADY LOCATIONS					
Hemlock Balsam Fir Douglas Fir CanadianYew White Pine Rhododendron (native varieties and other native evergreen shrubs) Flowering Dogwood	Summer-sweet Sweetshrub Witch-hazel Snowberry Coralberry Hypericum Winterberry (*lex verticillata*) Blueberry Flowering Raspberry Sweetfern (*Comptonia*)	ANNUAL Smilax Jap. Hop Canary-bird Vine (also in moderate shade) PEREN-NIAL English Ivy Euonymus Clematis Vitis(Grape) *Vinca minor*	Aconite Anemone Columbine Coralbells Bloodroot (*Phlox divaricata*) Myosotis Globeflower Spirea Bleeding-heart	Clarkia Cleome Euphorbia Evening Primrose Gaillardia Myosotis Snapdragon Mimulus (Monkey-flower) Helianthus Impatiens Lupine Mignonette	Allium *Colochortus robustus* Narcissus (*Poeticus*) *Scilla non-scripta* Camassia Colchicum Trillium Lycoris *Lilium philadel-phicum, etc.*
FOR DRY LOCATIONS					
EVER-GREEN TREES & SHRUBS	DECIDU-OUS TREES	DECIDU-OUS SHRUBS	PEREN-NIALS	ANNUALS	BULBS
Green ColoradoSpruce (*pungens*) Redcedar Junipers White Pine Scotch Pine Jack Pine Pitch Pine European Larch Juniper Laurel	Red Oak Birch (Amer. White) Black Locust Sassafras Witch-hazel Persimmon	Beach Plum Sumac Rose (*rugosa*) Bayberry and other species Sweetfern Witch-hazel	Asters Achillea Anchusa Blue Salvia Evening Primrose Erigeron Globe Thistle Lupines Verbascum Yucca Poppy (Oriental)	Sweet Alyssum African Daisy Asperula Iceplant Leptosiphon Miniature Cal. Poppy Portulaca Sand Verbena	Allium Cooperia Crocus (species) Daylily Narcissus: *triandrus minimus minor* Sparaxis Stern-bergia
WET OR MOIST LOCATIONS					
Arborvitæ Baldcypress (*taxodium*) Whitecedar (*Cham. thyoides*) Tamarisk White Spruce Juniper(*horizontalis*) CanadianYew Bog Kalmia Andromeda	Red(Swamp) Maple Waterlocust Green Ash Sour Gum (Tupelo) Willow Pin Oak Swamp White Oak Elm Linden Red Birch	*Azalea viscosa* Alder (various) Buttonbush Summersweet Bushy St. Johnswort Winterberry Pussywillow Osiers Blueberry	Cardinal-flower Chelone Lobelia Boltonia Eupatorium Loosestrife Myosotis Iris (Blueflag) Marsh Marigold Partridgeberry	Anchusa Balsam Calendula Clarkia Cleome Euphorbia Impatiens Mignonette Myosotis Sweet Peas Stocks	Calla Caladium Begonia (Tuberous) Narcissus (*Poeticus* types) Hyacinth *Fritillaria meleag.* Galtonia Leucojum

SINCE 1862

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Above: Coldwell "L-Twin" Motor lawn mower and roller. Mows and rolls simultaneously 4 to 6 acres a day on one gallon of gasoline.

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WHEN you invest in a Coldwell motor lawn mower and roller, you have a machine that embodies advanced engineering principles, abundant power plus the experience and reputation of the world's largest lawn mower manufacturer.

There's a size and style of Coldwell motor lawn mower at the price you can well afford. Your dealer will demonstrate. Write to factory for descriptive literature.

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In Canada—Taylor-Forbes Co., Ltd., Guelph
Manufacturers of Dependable *Lawn Mowers*—
HAND, HORSE, GASOLINE, ELECTRIC

Dependable, Delightfully Odd, New Flowers from Bassi

Wallflower, Hardy, Perennial, (Cheiranthus Linifolius).—A curious dwarf specialty, purplish lilac, pastel shade, upright habit with stalks covered with bloom. Good for rock gardens. **Pkt. 25c; 5 pkts. $1.00**

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Larkspur (Delphinium).—Blackmore & Langdon's Giants. A mixture saved from the finest prize-winners shown at different exhibitions in England. Spikes 5 to 6 feet high. The only one to receive R. H. S. medal in England in 1924 and 1925, and two in 1927. ..... **Pkt. 50c; ¼ oz. $2.50**

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Heliopsis, Double, Perennial, Lemoine Strain.—This remarkable strain is a great improvement over the ordinary single and semi-double. Flowers are very large, brilliant golden yellow, twice as large as the ordinary variety on long, stout stems. ..... **Pkt. 35c; 5 pkts. $1.50**

Larkspur, "Los Angeles" Annual, (Delphinium)—Beautiful, new, double stock flowered Larkspur of vigorous habit, exceptionally tall. Blooms are a rich salmon ground, overlaid with a brilliant rose. Foliage is dark green, making the flowers stand out prominently. .....**Pkt. 25c; 5 pkts. $1.00**

Toad Flax, Perennial, (Linaria Macedonica Speciosa) Reselected.—Flowers resemble large, golden yellow snapdragons, stems averaging three feet. Attractive silvery foliage. Easily grown from seed. Perfectly hardy; useful for rockery. .... **Pkt. 25c; 5 pkts. $1.00**

Verbena, Mammoth Golden Queen, Annual—As in Asters, a clear golden yellow is very difficult to produce in Verbena. Medium sized flowers borne on a vigorous vine, ever-bearing and early. Valuable for bedding. ..... **Pkt. 25c; ¼ oz. 75c**

Zinnia, "Youth" Annual, Gold Medal, Dahlia Flowered.—Valuable new edition of the Dahlia Flowered type, a beautiful soft rose self. Flowers well formed, grown on robust plants. Very vigorous and free flowering. .....**Pkt. 25c; ½ oz. $1.50**

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10 Packets of seeds here described	$2.00
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It was compiled by a prominent Landscape Architect and is written in simple language that any one can understand.

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Gentlemen: I enclose 10c, for which please send your booklet, "How To Landscape The Home Grounds."

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Address .....

The Gardener's Scrap Book

(*Continued from page 168*)

small natural bog into a feature of great interest and very real beauty. Most of the stuff found growing in it can be hauled out, roots and all, at the cost of a little muscular effort and plenty of mud from head to foot. Even an hour or so, energetically applied, will make such an impression that one begins to see definite areas for replanting with more decorative things.

In selecting material, the catalogs of the dealers in native plants will prove extremely helpful. Exotic flowers and shrubs should be avoided, emphasis generally being laid on those things which are indigenous to your part of the country, if not the immediate neighborhood. An idealized natural effect is the one to be sought—unless, indeed, the whole space and its surroundings are to be converted into a formal water garden.

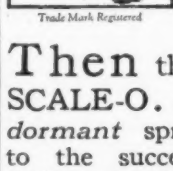
FLOWERING BRANCHES. It not infrequently happens that the branches of spring-flowering trees and shrubs which have been brought indoors for forcing in water fail to open their buds. Examination usually shows that the outer covering of these buds has dried and hardened, making it impossible for normal expansion to take place. This trouble is most common in rooms where the dryness of the air is not alleviated by some kind of humidifying device. Also, it is not likely to apply to buds which had already started to swell at the time of cutting.

It is always wise, as a precaution against disappointment, to moisten buds once or twice a day until they actually begin to open. This may be accomplished by dipping them in a basin of water or, if more convenient, by the use of a fine sprayer. In either case the effect will be to keep the exterior surfaces soft and facilitate normal expansion.

POISON IVY. This genuine pest, beautiful to look upon but extremely annoying to touch, is the bane of so many country dwellers' existence that its safe destruction can well be in the nature of a public benefit. Ordinary methods of eradication, short of actually grubbing out every particle of root, are only halfway successful. Much better results follow upon the scheme of cutting through each main stem near the ground and thoroughly anointing the stubs and the immediately surrounding soil with a standard liquid weed killer.

MARSH MARIGOLDS. The unfolding of the first tree leaves above a thousand swamps is accompanied in the bog below by one of early spring's finest displays, the golden carpet of the Marsh Marigolds. Winter-weary souls welcome this token of warmer days as eagerly as they do the shy faces of the Hepaticas on the rocky knoll or the fragrance of Trailing Arbutus drifting through the Oak woods.

Protect your plants, flowers, shrubs and evergreens against the costly ravages of insect pests. Spray regularly with Wilson's O.K. Plant Spray ... the nationally recognized standard insecticide. Wilson's O. K. Plant Spray is non-poisonous, easily applied and is equally effective in-doors or out-of-doors. Recommended by the Officers of The Garden Club of America. Half-pint 40c; Quart $1.00; Gallon $3.00; 5 Gallons $12.00; 10 Gallons $20.00.



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ANNIE LAURIE, exquisite ruffled pink.
EMILE AUBRUN, large bronze, illustrated on left.
APRICOT GLOW, beautiful Apricot colored.
GOLDEN DREAM, the finest clear yellow.
MARNIA, very large orange.

One Bulb each
Value $1.50 for $1.10

A Whole "Glad" Garden $3

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100 large bulbs, at least 35 fine varieties, in many different shades of red, yellow, pink, blue, orange, smoke, white. All good varieties but not labeled as to name. Prepaid. 50 for $1.75. I believe this to be the finest "glad" collection offered anywhere. The above 5 varieties together with the collection of 100 bulbs for $4.

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Apple Peach Cherry
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They fruit in half the time—need half the usual space. Are much easier to plant, easier to care for and very easy to pick.

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ENJOY THEIR BEAUTY EVERY SPRING

Make the home lot a garden spot. Anticipate your own lovely lilac blossoms every spring. Brand lilacs in their gorgeous colors bring new enjoyment each succeeding year.

FREE With every shipment direct from this ad, we will include two surprise Brand lilacs—beautiful varieties. Attach money to ad and mail today!

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Our 1930 Catalogue

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Neosho Grower's Guide, 44 pages, 8 in full colors, FREE. Our Landscape Service and plant materials make it easy and inexpensive to have beautiful grounds and outdoor living rooms. We furnish original ideas and sketches for practical, artistic landscape effects, especially planned for your own grounds. We have Mr. Taylor of Tulsa, Oklahoma, pleased customers in every state. Is very much pleased with his grounds landscaped by us for $4,500. Our fruit customers buy from us year after year, in car loads, and small lots. Write to-day!

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Well illustrated, intimate talks on various garden subjects for clubs and small groups. Available at short notice. Write for a list of subjects and rates.

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(ETHEL ANSON S. PECKHAM), beautifully illustrated Garden Lectures: "Narcissi or Daffodils"; "Miscellaneous Bulbs"; "Irises for the Home Garden"; "Flowers for the Home Garden"; "American Iris Breeders"; "Naturalizing Bulbs"; "Farming for Bouquets on the Côte d'Azur"; "How to Organize and Judge a Flower Show"; "Tulips"; "Crocus"; "Color Combinations with Bulbs" etc., etc. Fee $25.00 and expenses. Address New Rochelle, N. Y.

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The Gardener's Scrap Book

(*Continued from page* 174)

It is not generally known that the Marsh Marigold can be forced to bloom indoors considerably earlier than it flowers in its natural haunts. All you need to do is lift the clump—roots, mud and all—when its buds first show and put it in a good-sized bowl in a sunny window. Add enough water to come up to the crown of the plant and you will be delighted with its response to your attentions.

SALTING ASPARAGUS. The purpose of scattering salt over the Asparagus bed in the spring is to discourage the pest of weeds which otherwise would probably prove troublesome in the rich soil. It is doubtful if the salt has any stimulating effect on the Asparagus; it is merely a repellent for unwelcome intruders. The kind of rock salt that is used in ice-cream freezers is the best sort to use.

SEED SOIL. A great deal of the success of seed sowing operations depends upon the character of the soil in which the seeds are sown. The ideal type is a light loam containing plenty of humus. Soil of a clayey nature, which is likely to cake on the surface, must be carefully avoided. A good test of consistency is to take some of the dampish soil and squeeze it in the hand. When released, it should retain its compressed form but crumble apart at a touch. It is not necessary for seed soil to be well enriched; in fact, it will be better if only a moderate amount of plant food is contained in it, for over-stimulation in the first stages of growth is not advisable.

PRUNING MAPLES. Whereas most tree-pruning work should be done during the dormant season, trimming the Maples is best accomplished just as their leaves are unfolding in spring. At this stage the trees are approaching their great tissue building effort and are favorably situated to heal quickly the small wounds which ordinary trimming entails. Further than this, the new wood which will soon be forming in the natural course of growth will be benefited by the diversion to it of that energy which otherwise would have gone into the parts which are cut away.

SWEET PEAS. These justly favorite flowers can hardly be given too early a start in the spring, for their success in the garden will depend largely on how good their root development becomes before the advent of hot summer weather. It is this fact which suggests planting the seed in paper pots indoors or in a hotbed early in March. Put two or three seeds in each 3″ pot and, after they are well up, discard all but the strongest plant. When it comes time to set them out in their permanent places, put pot and all a couple of inches below the ground level and fill in as they grow.

GROUNDS Beautified By PLANS Are More Beautiful Grounds

How important a professionally prepared plan is for creating distinctive home surroundings becomes apparent when the puzzling problems of color combinations, blooming periods, size at maturity, etc., are experienced, all seriously affecting the larger problem of pleasing landscape design. The Outdoor Living Room of today is not what it was twenty years ago. Styles in gardens change, the modern note creeps in.

Our landscape architects will solve these perplexing problems for you. They will add their knowledge and experience to your preferences and furnish a planting plan appropriate to your surroundings, expressive of your individuality and taste, and architecturally correct. This service is free, as explained in our new catalog.

Green's Helpful Catalog

It's distinctively different—illustrated in Nature's colors, making selection of varieties easy—tells how to build a rock garden and gives other valuable planting information. Read about the many new varieties of shrubs and flowers "Approved by Green's"—America's foremost Rose Collection, and other features of interest to lovers of growing things. Send for your free copy today.

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64 Pages

Flowering Trees of the Orient
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Also a complete general line of nursery stock.

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If You Grow Rhododendrons Laurels, Azaleas

Or other broad-leaved Evergreens, you must provide special soil conditions.

RHODO-GRO

is the *original* and perfect soil corrective for these acid-loving plants. It was developed by us in co-operation with a famous grower of Rhododendrons and tested in his nurseries. Since 1926, it has been used with great success by lovers of these beautiful Flowering Evergreens. Rhodo-Gro reproduces the moist, cool acid soil conditions of the deep woods, the natural home of these Ericaceous shrubs.

100 lbs. Prepaid $5.00

Send us $5.00; we'll ship you a 100-lb. Bag of Rhodo-Gro—enough to mulch 7 square yards. *Freight prepaid* to stations within 100 miles of New York or Philadelphia.

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"Nature's Own Soil Invigorator"

Feed your plants clean, rich food *this easy way*

Then watch them grow in beauty!

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TRADE LITERATURE
OF INTEREST TO THE GARDENER

Each month there will be briefly reviewed on this page a number of the new brochures, pamphlets and catalogs which have been issued by concerns in the building, decorating and gardening fields. This issue is devoted to those in the gardening field.

• SEEDSMEN

EVERYTHING FOR THE GARDEN. Peter Henderson's catalog is a long established volume which covers the whole field of vegetables, flowers and many of the smaller fruits. It is compendium of information for the home gardener, and it is especially valuable because everything contained in it has been thoroughly tested. This new issue for 1930 has the usual number of new and recent introductions which will interest those who want the best. PETER HENDERSON & COMPANY, 35 & 37 CORTLANDT STREET, NEW YORK CITY.

• NURSERY STOCK

TOTTY'S CATALOG. The Chrysanthemum lover in particular will find a wealth of interesting material in Totty's catalog. This firm has long made a specialty of Chrysanthemums and offers a list that is unusually complete. The catalog also contains Totty's specialties in Roses and certain other types of plants which are of exceptional quality. Among the particularly outstanding offerings are an Apricot Colored Viola and several choice Delphinium varieties. TOTTY'S, MADISON, NEW JERSEY.

• WATER GARDEN PLANTS

WATER LILIES. The old fashioned list of varieties which used to be offered by the Water Lily growers is a thing of the past to judge by this most recent catalog from William Tricker, Inc. The Tricker Company looks upon the water garden as a complete unit and supplies everything which goes into its make-up except the water. The catalog contains concise lists and descriptions of aquatic plants ornamental fish, bog plants and various accessories. WILLIAM TRICKER INC., SADDLE RIVER, NEW JERSEY.

JOHNSON WATER GARDENS. Another excellent water garden booklet comes from the Johnson Water Gardens. Its offering of plant material and fish is varied and well chosen to meet the requirements of everyone who is interested in this sort of gardening. Of particular value are the pages devoted to the constructon of an outdoor water garden which can be made into a thing of great and lasting beauty. JOHNSON WATER GARDENS, HYNES, CALIF.

• GLADIOLUS

KUNDERD'S 50TH ANNIVERSARY. Half a century of work with the gladiolus is reflected in a list of varieties of this flower in many varied colors and forms. Mr. Kunderd tells of his years of work on the Ruffled and Laciniated types of Gladiolus. The booklet is profusely illustrated, many of the pages being in color. A. E. KUNDERD, GOSHEN, IND.

• HARDY PERENNIALS

HARDY PERENNIAL FLOWERS. A feature of this booklet is an ingenious rotating dial which, in seven different positions, shows harmonious color effect that can be secured in a garden. It lists the plants that achieve these colors and shows the way in which they should be planted. There are so many catalogs that take for granted that their purpose is only to sell merchandise, that it is a pleasure to find one that assists in the proper use of the merchandise. STUMPP & WALTER COMPANY, 30-32 BARCLAY STREET, NEW YORK CITY.

• ALPINES & PERENNIALS

HARDY HERBACEOUS AND ALPINE PLANTS. The Wayside Gardens published another edition of their *Hardy Herbaceous and Alpine Plants.* The descriptions are brief and the book is copiously illustrated. In addition to the plants after which the catalog is named and House Plants and Alpine Seeds it includes a list of very informative books on plants for different purposes. There is also an index in the back of the book. The Wayside Gardens announce in this catalog that they have arranged to be the American Agency for Henri Correvon whose writings on Alpine plants in House & Garden are well known. THE WAYSIDE GARDENS COMPANY, MENTOR, OHIO.

• HUMUS

RHODO-GRO FOR RHODODENDRONS. The purpose of this product is to supply all the conditions necessary to enable the ordinary garden soil, which is usually unsuited to the growing of Rhododendrons to produce luxuriant Rhododendron plants. Rhodo-Gro supplies the necessary acidity in the soil. Detailed instructions are given for the application of this product. Rhodo-Gro is recommended by William K. LaBar, who is an expert on Rhododendrons. HYPERS-HUMUS COMPANY, NEWTON, NEW JERSEY.

• GARDEN FURNITURE

RUSTIC CEDAR FURNITURE. Potash-Marl, Inc., make a specialty of rustic cedar furniture. It is made from wood from which the outer bark has been stripped. The inner bark will retain its natural color and beauty regardless of the weather. Several pieces are illustrated, and dimensions and prices given for them. This firm also designs and constructs log cabins and rustic garages. POTASH-MARL, INC., 15 EAST 40TH STREET, NEW YORK CITY.

THE PERGOLA. The purpose of this booklet is to show through the use of actual photographs the beautiful effects obtainable in gardens by equipping them with pergolas, garden houses and well-designed garden furniture. A description of the equipment shown, is given under each illustration. The size and proportions of the designs can always be changed to suit the exact requirements of any particular space. HARTMANN-SANDERS COMPANY, 2155-87 ELSTON AVENUE, CHICAGO, ILL.

GALLOWAY POTTERY. A large selection of decorative terra-cotta garden pieces by Galloway, including flower pots and boxes, jars, bird baths, sun dials, pedestals, fountain figures and benches, is shown in this catalog. There is a short description of each type of decoration and the dimensions are given for every article illustrated. GALLOWAY TERRA COTTA COMPANY, 3218 WALNUT ST., PHILADELPHIA, PA.

• GREENHOUSES

SOME GREENHOUSES WE HAVE BUILT. The eleventh edition of an extremely interesting and inspiring book of suggestions for the greenhouse gardener. It should be of great interest to the person either embellishing a house already built or planning one where a greenhouse can be considered. The illustrations are numerous and show a great variety of greenhouses. In the back of the booklet is a list of helpful books on how to grow plants in greenhouses. LORD & BURNHAM COMPANY, GRAYBAR BUILDING, NEW YORK CITY.

• CONCEALED IRRIGATION

RAIN FOR THE ASKING. The Skinner System as shown in this booklet is a concealed irrigation system which can be used for either small or large areas. One of its virtues is the fact that its distribution is uniform and it will not bruise tender plants. Illustrations, diagrams and text describe the details. Space is also devoted to an explanation of the advantages of irrigation and proper watering in general. THE SKINNER IRRIGATION COMPANY, TROY, OHIO.

THE LAWN BEAUTIFUL. A beautifully illustrated booklet showing a number of estates, the lawns of which are equipped with the Thompson Concealed Lawn Sprinkling System. This system consists of a number of sprinkler "heads" set in the lawn at intervals and connected to small pipes. A complete installation plan showing the correct location, the size and the number of sprinkler "heads", valves and pipe, will be furnished to anyone planning to install a system. A specimen plan is illustrated in the back of the booklet. THOMPSON MANUFACTURING COMPANY, 2251 EAST 7TH STREET, LOS ANGELES, CALIF.

• FENCES

RUSTICRAFT WOODEN FENCES. Several photographs of installation of Rusticraft fences appear in this attractively covered booklet. Rusticraft comes in two types, English Hurdle and Post and Rail. Both styles are described and photographs of recent installations, show the various purposes for which they are used. SAMUEL H. TENDLER, MALVERN, PA.

• LAWN MOWERS

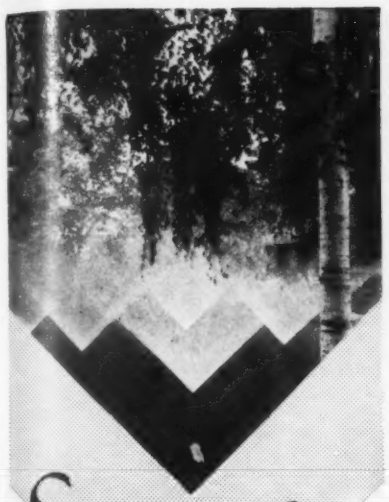
MOTO-MOWER GRASS CUTTER. The advantages in using the Moto-Mower are set forth in this catalog, which contains several beautiful color illustrations. Because of its unusual strength, its lightness in weight and its ample power this machine makes it possible to cut from four to five times the area possible by hand mowing, and with a minimum of labor. The text and detail drawings describe the construction and operation of this machine. A small model for moderately sized lawns is shown. THE MOTO-MOWER COMPANY, 3240-3246 E. WOODBRIDGE STREET, DETROIT, MICH.

IDEAL POWER LAWN MOWERS. For over twelve years this company has devoted its experience and facilities to the development and production of dependable power mowing equipment for large lawns. Ideal Power Mowers are built in types and sizes suitable for varying requirements on lawns of every character. Illustrations show the various sizes in which these machines are obtainable, and mechanical drawings show their construction. IDEAL POWER LAWN MOWER COMPANY, LANSING, MICH.

• SURFACE BINDER

SOLVAY CALCIUM CHLORIDE. We are told in this booklet that Solvay Flake Calcium Chloride is a natural dust layer. It keeps down the dust and acts as a surface binder. What it is, how it works and how it is applied are all explained fully. It is used for roads and driveways, and is excellent for Tennis Courts. SOLVAY SALES CORPORATION, 40 RECTOR STREET, NEW YORK CITY.

IN WRITING FOR ANY OF THE BOOKLETS REVIEWED YOU WILL FIND IT AN ADVANTAGE TO IDENTIFY YOURSELF AS A READER OF HOUSE & GARDEN



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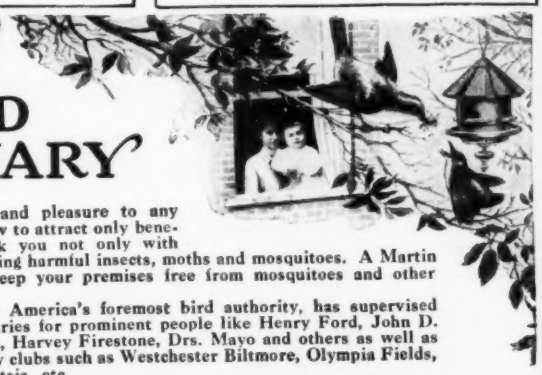

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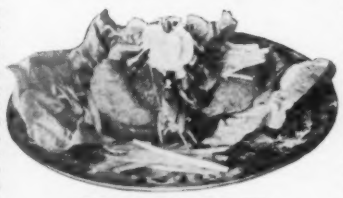

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* * *

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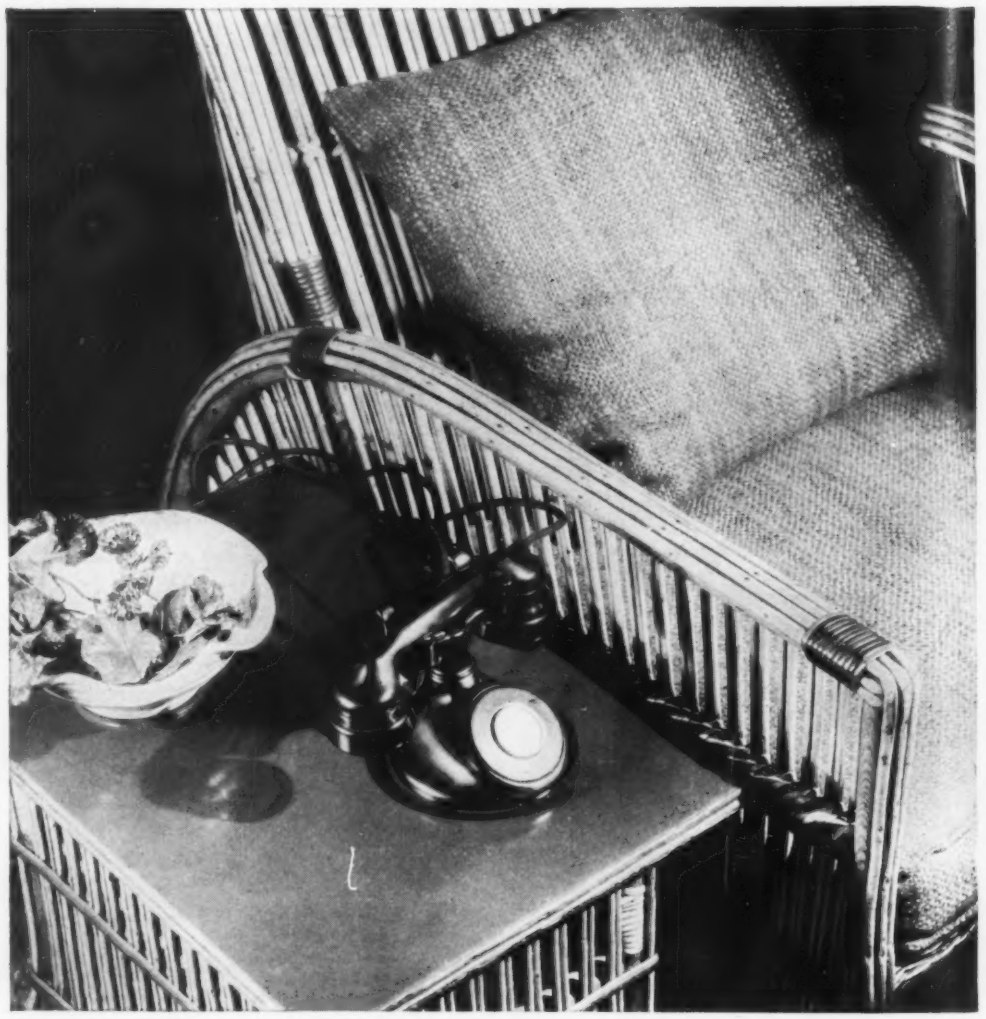

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